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THE
GRANGER'S FRIEND;

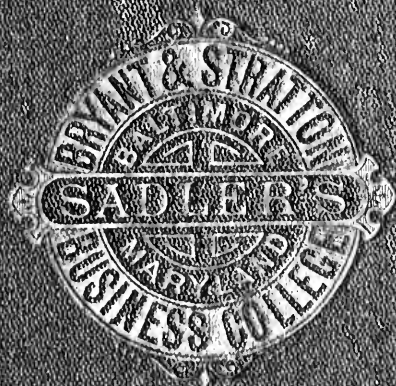


BUSINESS GUIDE

TO

BALTIMORE.

Chap.



L. MORRISON & CO.

Sharp and German Sts., Baltimore,

BUILDERS OF

GAS MACHINES

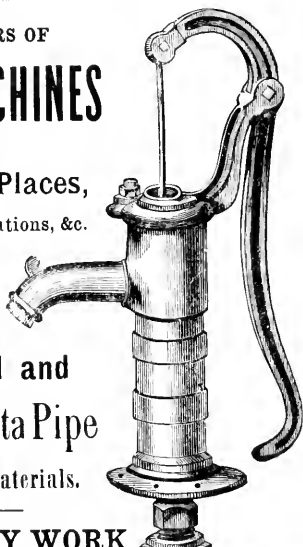
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Public Institutions, &c.

GAS,
Water,

STEAM and
Terra Cotta Pipe
Plumbing Materials.

COUNTRY WORK



Manufacturers and Dealers in
EVERY VARIETY OF

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Water Wheels,
Hydraulic Rams
Atwell's Patent
STEAM & WATER MOTORS

AGENTS FOR THE

Union Man'fg Co.'s

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AND ALL KINDS OF

FANCY CAKES,

Have REMOVED from 112 and 114 W. Pratt Street, to

No. 149 W. Pratt St., near Charles,

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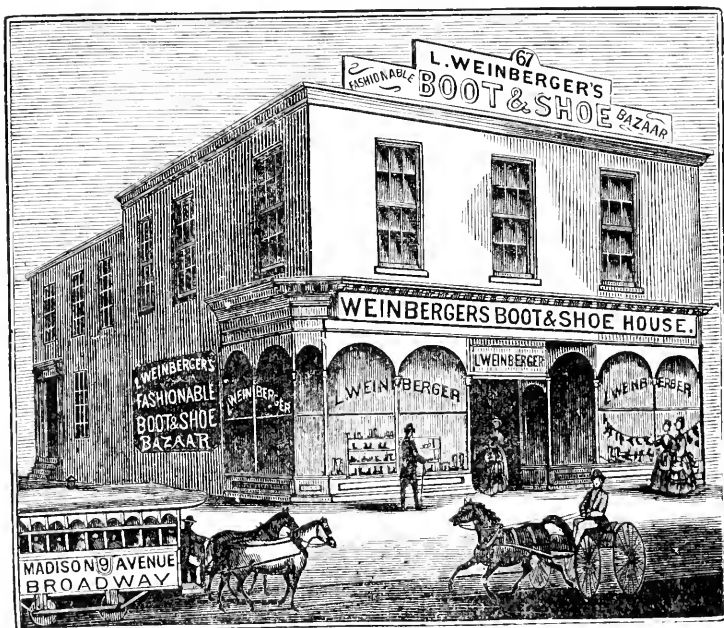
 We have the largest and best equipped Bakery in the United States. Our Offices, Warehouse and Factory are all adjoining. Call and see how Crackers and Cakes are made.

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Cor. Eutaw and Saratoga Sts., BALTIMORE.

The Largest and Cheapest Shoe House
IN THE
UNITED STATES.



Goods Shipped to all Parts of the United States, C. O. D.

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Safest way in ordering goods is by Post-office Money Order, or Registered Money Order, or fund by Express Company, C. O. D.

See **PRICE LIST** on Pages 4 and 5.

PRICE LIST

WEINBERGER'S BOOT & SHOE HOUSE,

WHOLESALE AND RETAIL.

Gentlemen's Department.

Gents' Buff Pegged Congress Gaiters.....	\$1.50
Gents' Buff Sewed Congress Gaiters.....	2.00
Gents' Plain Buff Congress Gaiters.....	1.75
Gents' Calf Box Toe Sewed Congress Gaiters.....	2 25
Gents' Sewed Box Toe Gaiters.....	2.00
Gents' Stitched Calf Box Toe Gaiters.....	3.00
Gents' Stitched Extra Fine French Calf Gaiters.....	3 50
Gents' Hand Stitched French Calf Gaiters—Extra Fine.....	4.50
Gents' Buff Extra Quality English Ties.....	1.75
Gents' Heavy Pegged Balmorals.....	1.50
Gents' Heavy Pegged Balmorals—Extra Quality.....	1.75
Gents' Heavy Plough Shoes.....	1.65
Gents' Heavy Plough Shoes—Extra Quality.....	1.85
Gents' Fine Extra Prime Pegged Boots.....	3 50
Gents' Hand-Sewed Calf Boots.....	4.50
Gents' Prime Stitched Calf Boots.....	5.00
Gents' Hand-Stitched Calf—Double Upper.....	6.00
Gents' Stitched Buff Boots—Extra Quality...	3.75
Gents' Heavy Kip Boots.....	3.50
Gents' Heavy Kip Boots—Double Sole.....	4.00
Gents' Heavy Kip Boots—Extra Quality.....	4.50
Gents' Heavy Split Boots.....	2 50
Gents' Heavy Split Boots—Extra Quality.....	3 25
Gents' Extra Quality Water Proof Boots.....	4.50
Gents' Prime Russia Leather Hunting Boots.....	5.00
Gents' Leather Slippers—Hand-Made.....	1.00
Gents' Carpet Slippers.....	65

Boys' and Youths' Department.

Boys' Water Proof Extra Quality Boots.....	\$2.50
Boys' Water Proof Boots.....	2.00
Boys' Kip Boots.....	1.75
Boys' Kip Boots—Double Soles.....	2.00
Boys' Kip Boots—Extra Quality.....	2.25
Boys' Heavy Split Boots.....	1.50
Boys' Heavy Split Boots—Extra Quality.....	1.90
Boys' Buff Balmorals.....	1.25
Boys' Buff Balmorals—Extra Quality.....	1 50
Boys' Fine Stitched Congress Gaiters.....	1.75
Boys' Fine Stitched Congress Gaiters—Extra Quality.....	2.25

Children's Department.

OUR CHILDREN'S DEPARTMENT cannot be excelled in STYLE and MAKE, as we make it a SPECIALTY to keep the FINEST GOODS in these Departments.

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IN THE HANDSOMEST STYLES.

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—:—

RUBBER BOOTS and SHOES Cheaper than any House in the United States.

See PRICE LIST Continued, on Opposite Page.

WEINBERGER'S SHOE PRICE LIST,

 Continued from Opposite Page.

Ladies' Department.

Ladies' High Cut Morocco Shoes.....	\$1.75
Ladies' High Cut Morocco Balmorals—City Made.....	2.25
Ladies' High Cut Calf Balmorals.....	2.00
Ladies' High Cut Calf Balmorals—Extra Quality.....	2.25
Ladies' High Cut Eastern Made Morocco Shoes.....	1.25
Ladies' High Cut Morocco Shoes—Double Soles.....	1.75
Ladies' High Cut Lasting (Kid Foxed) Balmorals.....	1.50
Ladies' High Cut Lasting (Kid Foxed)—Double Soles.....	2.00
Ladies' Congress and Lace Gaiters.....	1.25
Ladies' Kid Vamp and Lasting Button—City Made.....	2.50
Ladies' Kid Vamp Button—City Made, Extra Quality.....	3.00
Ladies' French Calf Kid Button Boots—City Made.....	3.00
Ladies' Glove Kid Button—City Made, Extra Quality....	3.50
Ladies' French Leather Button Boots.....	3.00
Ladies' French Kid Button—Superior Made.....	2.75
Ladies' Morocco Sewed Button Boots.....	2.00
Ladies' Kid Lace Balmorals—all Styles.....	2.25
Ladies' Glove Kid Lace Balmorals—Extra Quality.....	2.75
Ladies' Buff Balmorals.....	1.50
Ladies' Buff Balmorals—Extra Quality.....	1.75
Ladies' Patent Leather Vamp Button Boots.....	2.75
Ladies' Lasting Gaiters.....	\$1.00 @ 1.25
Ladies' Lasting Gaiters—Double Soles.....	1.50 @ 1.75
Ladies' Morocco Balmorals—no Heels.....	1.50
Ladies' High Cut Cloth (Wool-Lined) Slippers.....	1.25
Ladies' Hand-Made Morocco Slippers.....	90
Ladies' Carpet Slippers.....	55

Misses' Department.

Misses' Pegged Balmorals.....	\$1.00
Misses' Pegged Balmorals—Extra Quality.....	1.25
Misses' Morocco Balmorals.....	1.25
Misses' Morocco Balmorals—Extra Quality.....	1.50
Misses' Fine Morocco Balmorals—City Made.....	1.75
Misses' Calf (Sewed) Balmorals.....	1.50
Misses' Calf (Sewed) Balmorals—Extra Quality.....	1.75
Misses' Pebble Goat Balmorals.....	1.50
Misses' Kid Balmorals.....	1.75
Misses' Fine Glove Kid Balmorals—City Made.....	2.00
Misses' Kid Foxed Balmorals.....	1.50
Misses' Kid Foxed Button.....	2.00
Misses' Kid Button.....	2.00
Misses' Glove Kid Button—City Made.....	2.50
Misses' French Leather Button.....	2.00
Misses' French Leather Button—Extra Quality.....	2.50

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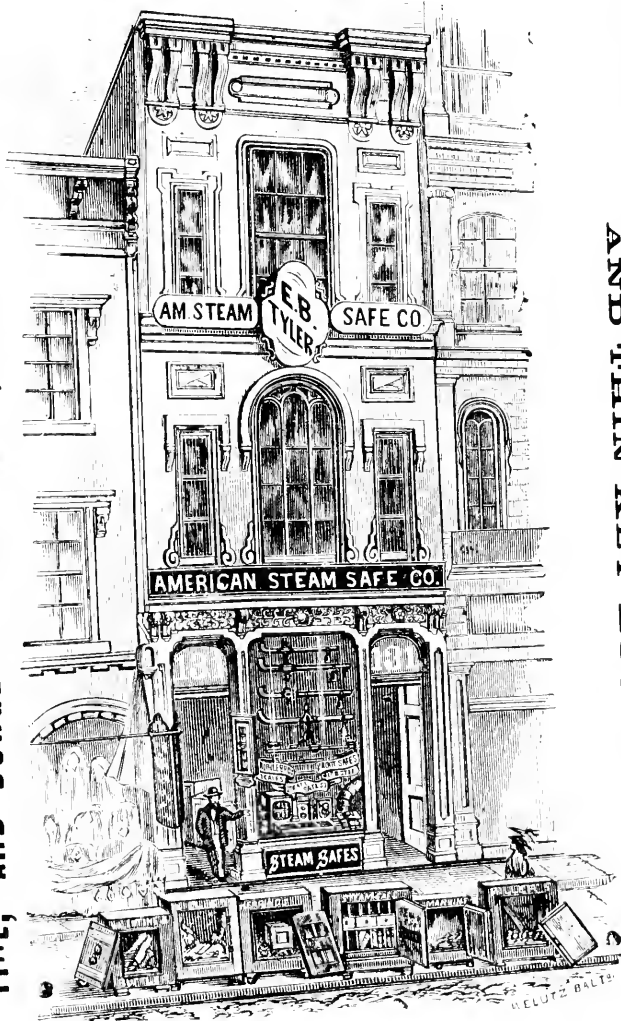
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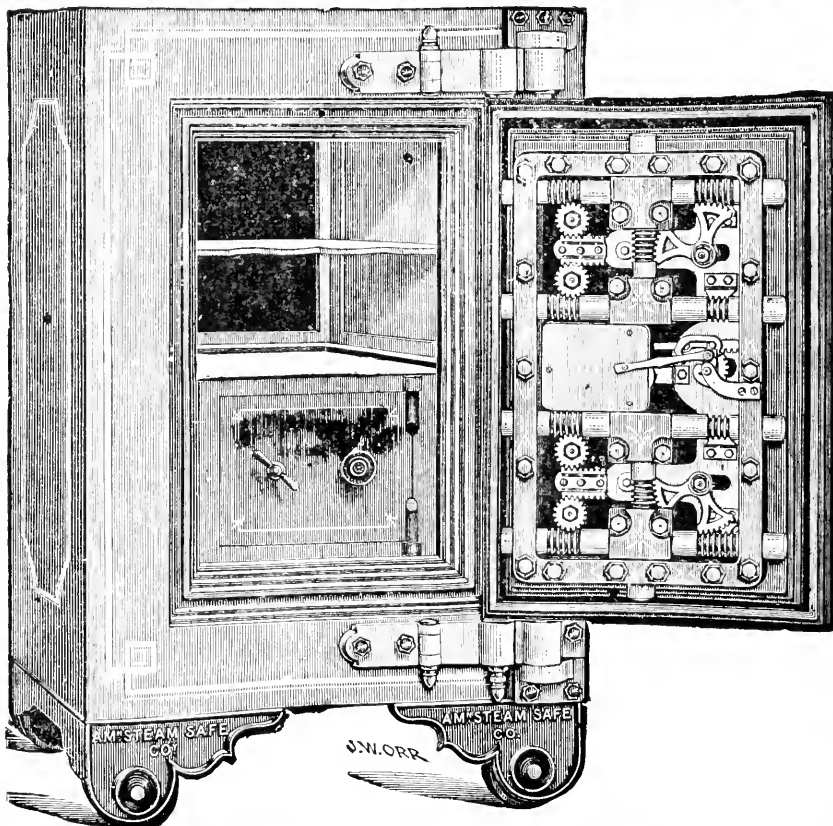
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Make the only Really Reliable
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AUTHOR OF
ORTON'S LIGHTNING CALCULATOR.

—SEE PRECEDING PAGE.

THE
GRANGER'S FRIEND;

A
BUSINESS GUIDE
TO
BALTIMORE,

COMPRISING A DESCRIPTIVE LIST OF THE MOST RELIABLE AND FAIR-
DEALING MERCANTILE HOUSES IN THE CITY, IN DIFFERENT
LINES OF BUSINESS, TOGETHER WITH PLACES OF
AMUSEMENT, Etc., Etc., Etc.

JAMES NOBLE MORSELL,

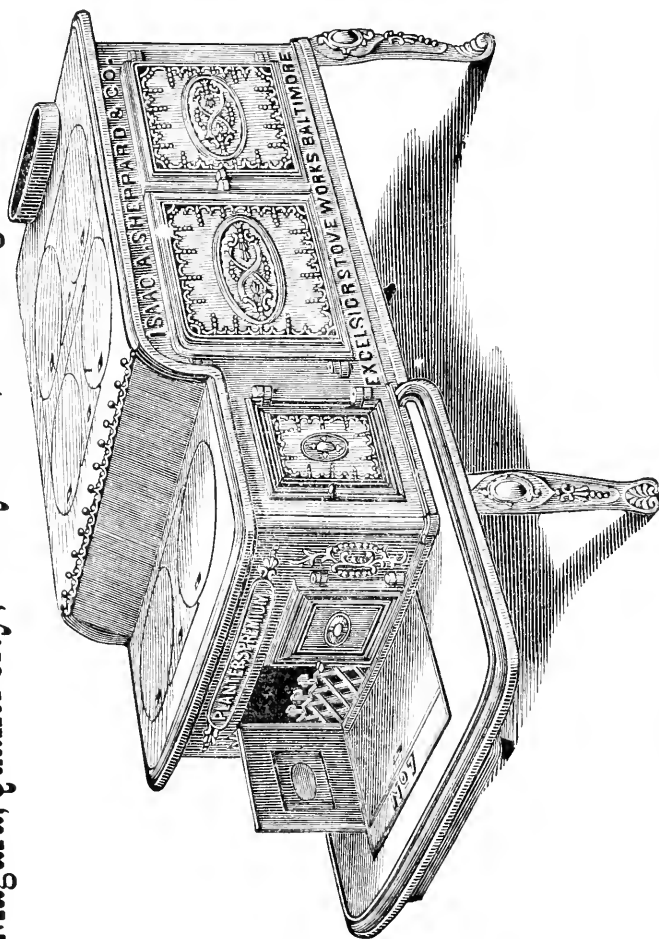
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1875.

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Manufacturers of

"BRADLEY'S" PATENT.

READ THE FOLLOWING TESTIMONIALS.

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BALTIMORE, MD. December 27, 1871.

C. P. KNIGHT, Esq., Agent Bradley's Patent Enamel Paint.

Dear Sir:—The Paint we purchased from you we will cheerfully endorse as the best of any kind we have ever used; its covering qualities is everything desired, drying promptly and with a hard gloss, which must, we think, resist the action of all kinds of weather. This is our experience, and we can recommend it with certainty, and intend to use it on all occasions where we desire a good job of work.

Very respectfully,

EMMART & QUARTLEY, 276 W. Baltimore Street,
House, Sign and Fresco Painters.

From Mr. John H. Gassaway.

GERMANTOWN, MONTGOMERY Co., MD., Sept. 17, 1874.

MR. C. P. KNIGHT,

Dear Sir:—It affords me pleasure to assure you that the many sales I have made of Bradley's Patent Enamel Paints during the last eight months have given *entire* satisfaction.

My own house was painted with it in the Spring, and is always noticed for the beautiful gloss which it retains, and I am confirmed in the belief that is all you claim for it—beauty, durability and economy.

Yours respectfully,

JOHN H. GASSAWAY.

From Hon. John Wethered.

ASHLYNS, BALTIMORE Co., MD., May 27, 1872.

Mr. C. P. Knight:—At the recommendation of a friend, I was induced to apply your patent "Bradley's" Paint to my house. I have pleasure in stating that it has proved highly satisfactory, covering more surface than you promised, is more economical, and carries better gloss than ordinary paint, and is freer from disagreeable odor.

Yours respectfully,

JOHN WETHERED.

From Isaac Albertson, Mansion House.

BALTIMORE, December 10, 1872.

MR. C. P. KNIGHT—

Dear Sir:—It affords me much pleasure to say to you that the Bradley's Patent Enamel Paint far exceeds my expectations in economy, beauty, and I have every reason to believe in durability. More than twelve months since I painted the roof of my house (Mansion House) with the Bradley's Patent Enamel Paint, and I was so well pleased with it I determined to paint the fronts of the "Hotel," and I am most happy to say that it gives me perfect satisfaction. In conclusion, I will say, if this testimonial will be of any advantage to you, you are at liberty to use it.

Yours most respectfully,

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Specimen Cards furnished gratis. Special Rates made to Grangers.

C. P. KNIGHT, - - Sole General Agent,

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SEE NEXT PAGE.



Read! Read!

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Manufacturers of "BRADLEY'S PATENT."

Made from Pure White Lead, Linseed Oil and Zinc. Mixed ready for use. Can be applied by any one. One gallon covers twenty square yards two coats.

Read the following Testimonials:

BRADLEY'S PATENT PAINTS.—When we say the above paints are all that they are represented to be we know wherof we write. We have tried the paints *thoroughly*, and know their virtues. They are by *all odds* the finest prepared paints of which we have any knowledge; therefore we unhesitatingly advise all of our friends to order from C. P. KNIGHT, Baltimore. He is a gentleman in every sense of the term; we know him well—endorse him and his goods. Sample cards of his paints are now on exhibition at our office, upon which he was awarded the first premium for the best paints at our recent State Fair. Railroad officials will consult their interests by using these paints. Try them.

ATLANTA, September 25, 1875.

BALTIMORE, August 13, 1874.

MR. C. P. KNIGHT—*Dear Sir:* We take pleasure in testifying to the excellent qualities of the paint obtained from you and applied to the exterior of Mount Calvary Church in this city. It has now been nearly two years since it was put on, and for *beauty of Color, freshness of gloss and durability* it has fulfilled our largest expectations.

Respectfully yours,

BERNARD CARTER,
S. C. CHEW, M. D.

JAMES M. ANDERSON,
BENJ. E. BARROLL.

BALTIMORE, February 19, 1875.

MR. C. P. KNIGHT, No. 93 W. Lombard Street:

Dear Sir:—In reply to your inquiry relative to the merits of your "Liquid Enamel Paint" (Bradley's Patent), I will say, it has been nearly two years since I purchased the paint from you, and, as far as I am able to judge, it looks equally as well as when first applied, and I cheerfully can recommend it to those who need painting done.

Yours truly,

D. J. FOLEY.

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READ TESTIMONIALS ON PRECEEDING PAGE.



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After wishing this Book may prove beneficial to you, and also to those who have used it to communicate with you,

I am yours most respectfully,

J. N. M., Publisher,

BALTIMORE.

[SEE INDEX NEXT PAGE.]

INDEX.

	PAGE.
Ahlborn Julius—French Dollar Store	22
Bryant, Stratton & Sadler—Business College.....front cover and opp.	6
Baugh & Sons—Baugh's Standard Manures	24
Baker R. J. & Co.—Ground Bones and Chemicals.....	32
Butler Elijah—Merchant Tailor.....	20
Baltimore Coal Tar and Manufacturing Company.....	35
Baltimore Carriage Company—Children's Carriages.....	35
Canfield, Bro. & Co.—Jewelers.....	13
Cottingham S. Jr. & Co.—Agricultural Implements, &c.....	31
Cathcart R. & W. H.—Chemical Paint.....	18
Dulany J. C. & Co.—Books and Stationery.	13
Duer John & Sons—Mantels.....	32
Ford's Opera House and Theatres.....	19
Front Street Theatre.....	33
Fischer G. & Co.—Furniture.....	36
Gluck William—Grangers' Premium Cook Stove.....	8
Griffith & Thomas—Lumber, &c.....	30
Gordon's Food for Horses.....	11
Gardner's Union Railroad Depot and Storage.....16 and	17
Gaddess Brothers—Steam Marble Works.....	28
Gable H. A. & Co.—Lumber, Sash, &c.....	26
Gibson & Probest—General Commission Merchants.....	30
Gill Drs. S. H. & Bro.—Dentists.....	37
Gluck William J. H.—Stoves.....inside back cover.	
Hachtel John C. & Co.—Superphosphates.....	14
Hopkins J. Seth & Co.—House Furnishing Goods.....	25
Holyland J.—Photographer.....	14
Irving J. T. & Co.—Elliptic Yoke Shirt.....inset opp.	30
Jones William M.—Mattresses.....	36
Knight C. P.—Paints, Liquid Enamel.....inset opp.	8
Lewis J. S.—Patent Boot.....	34
Lotz J. Fred—Cigar Manufacturer.....	37
Morrison L. & Co.—Pumps, Water Wheels, &c.....inside front cover.	
Mason James D. & Co.—Crackers, Biscuit and Cakes, “ “	
Mackenzie Geo. N. & Co.—Saddlery Hardware.....	24
Mercer L. O.—Furniture.....	28
Maxwell F. G. & Co.—Collar Factory.....outside back cover and	28
Maughlin W. W., Jr.—Doors, Sash, &c.....inside back cover.	
Norris Thomas & Son—Agricultural Implements, &c.....inset opp.	34
Orton Hoy D.—Orton's Lightning Calculator.....inset opp. Title Page.	7
Phillips Moro—Genuine Improved Superphosphate.....	27
Reese Thomas L.—Grocer.....	29
Rosenthal S.—Dry Goods.....	6
Rhodes John M.—Rhodes' Standard Manures.....	12
Sears John L. & Co.—Sash, Doors, &c.....outside back cover and	18
Stevens Charles P.—Cabinet Furniture.....	20
Schlumm & Klien—Tinware, Stoves, &c.....	20
Strauss Brothers—Dry Goods.....	22
Strauss L.—Millinery.....	28
Slingluff & Co.—Oil of Vitriol.....	34
Sinclair R. & Co.—Book.....opposite back cover.	
Sisco Bros.—Regalia and Society Goods.....	15
Turner & Hopkins—Lumber, &c.....	38
Turner & Co.—Poudrette.....	31
Thomas Joseph & Son—Builders' Material.....	29
Weinberger L.—Boot and Shoe House.....3, 4, 5	
Wood William E. & Co.—Stoves, &c.....	12
Wagner's Green House.....	21
Walker Noah & Co.—Clothiers.....	25
Wilson John W. & Son.—Lumber Dealers.....	33



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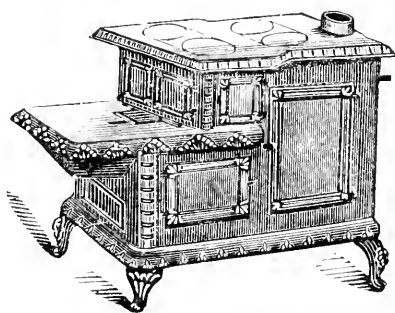
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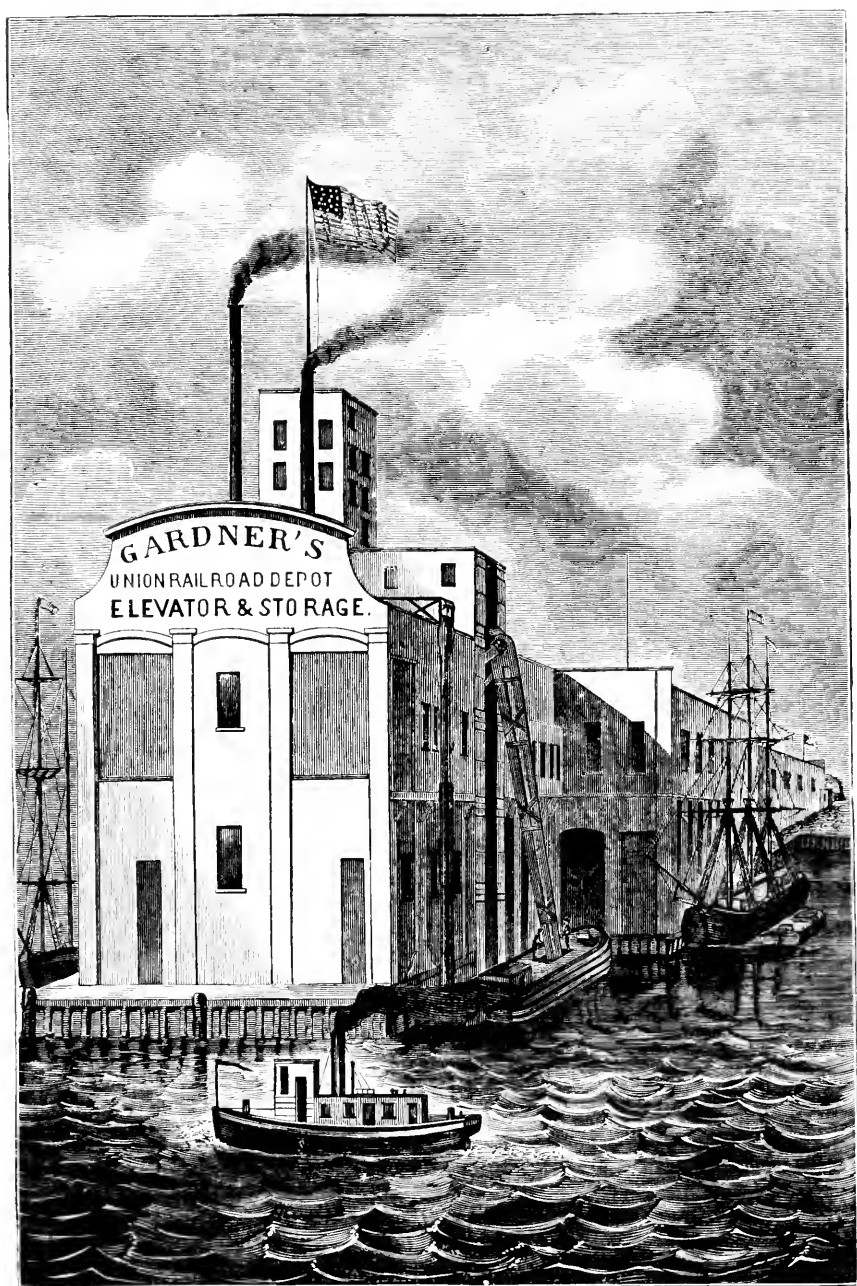
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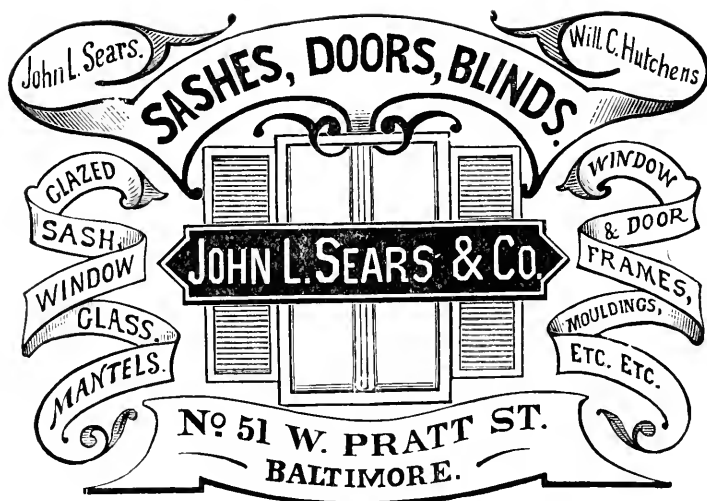
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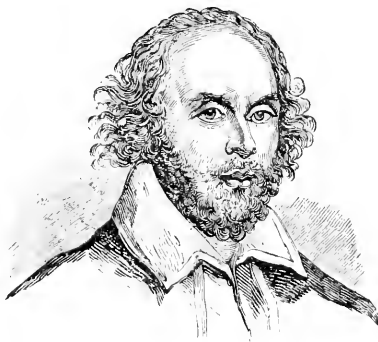
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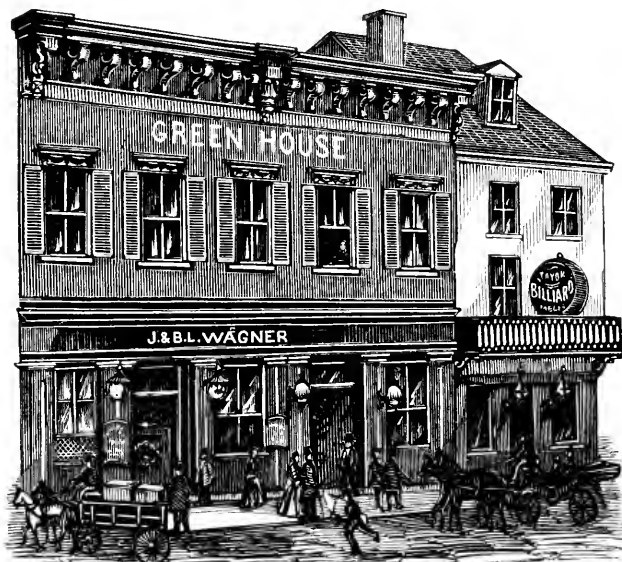
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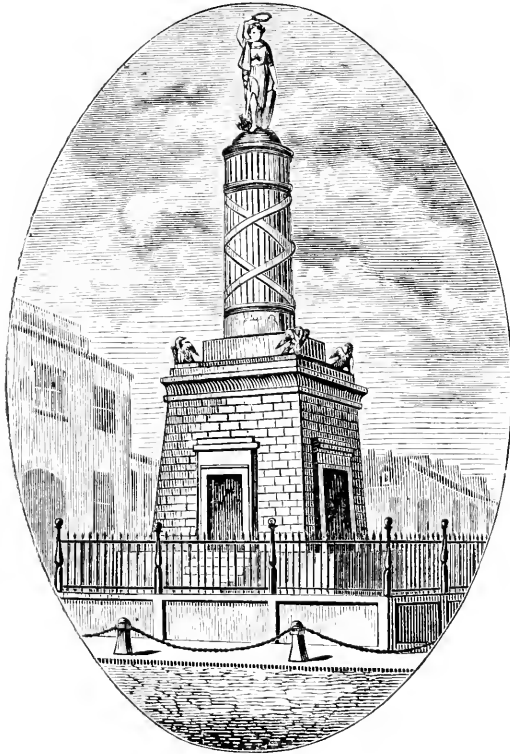
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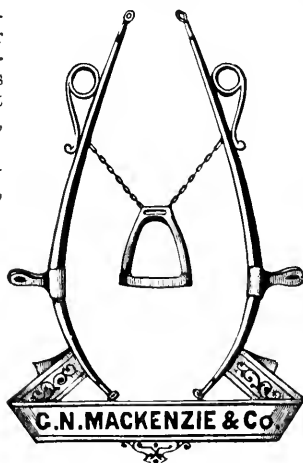
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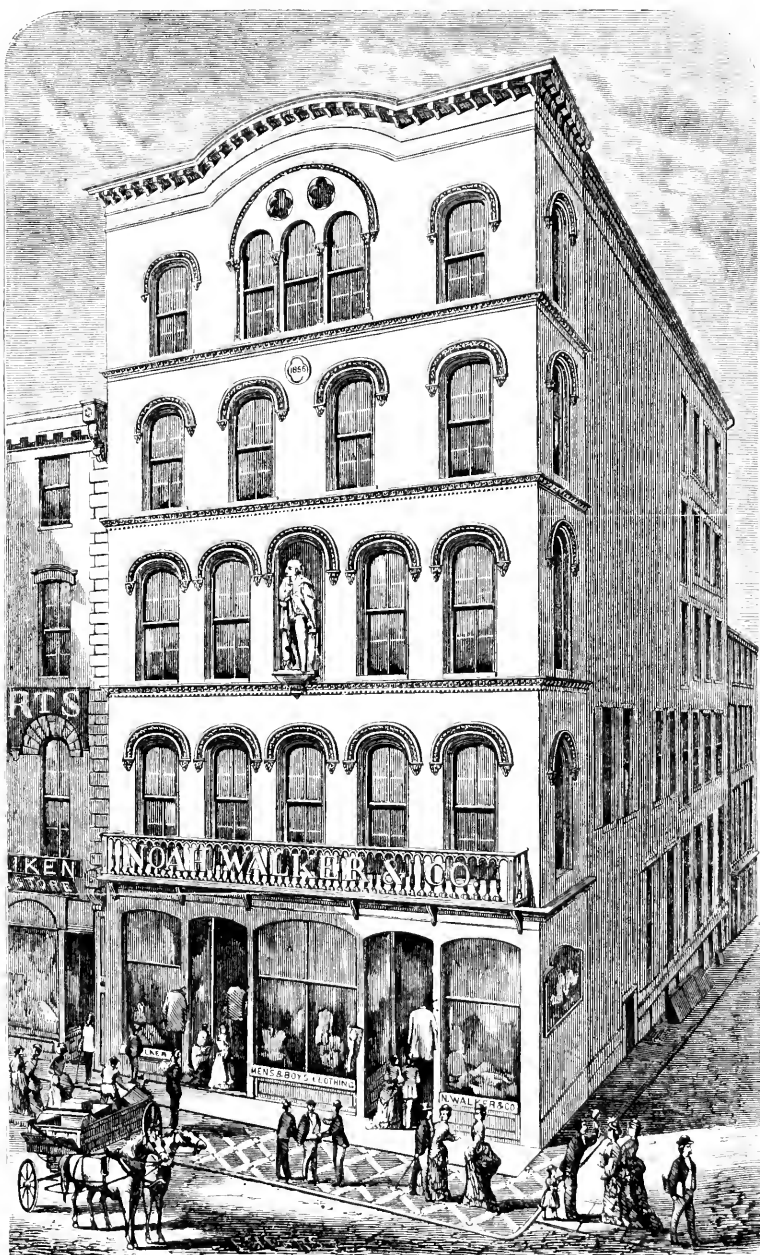
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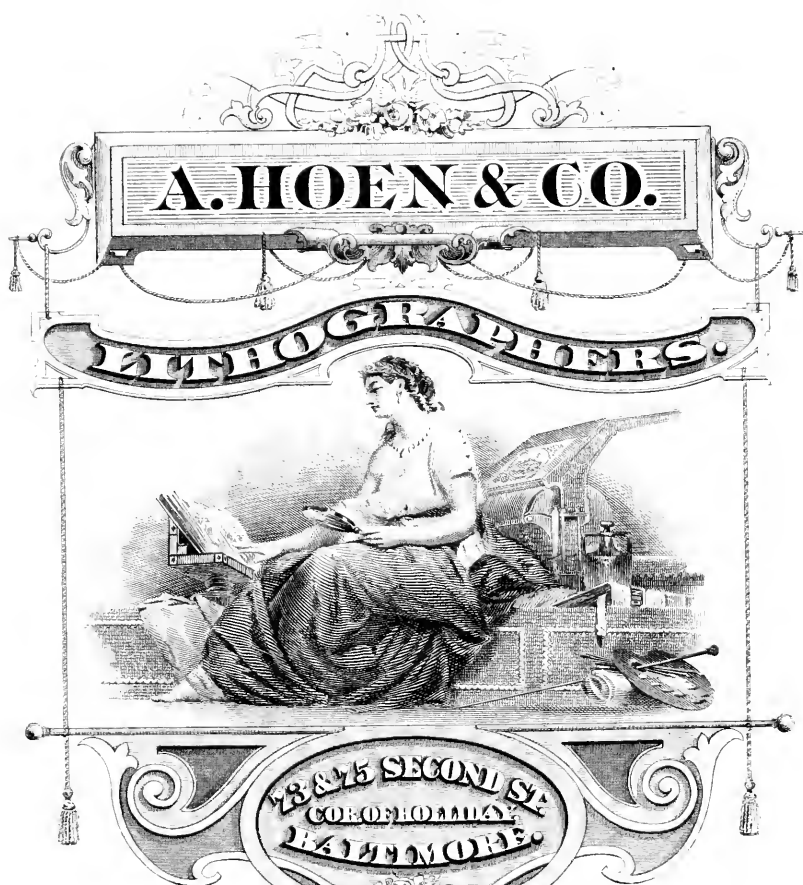
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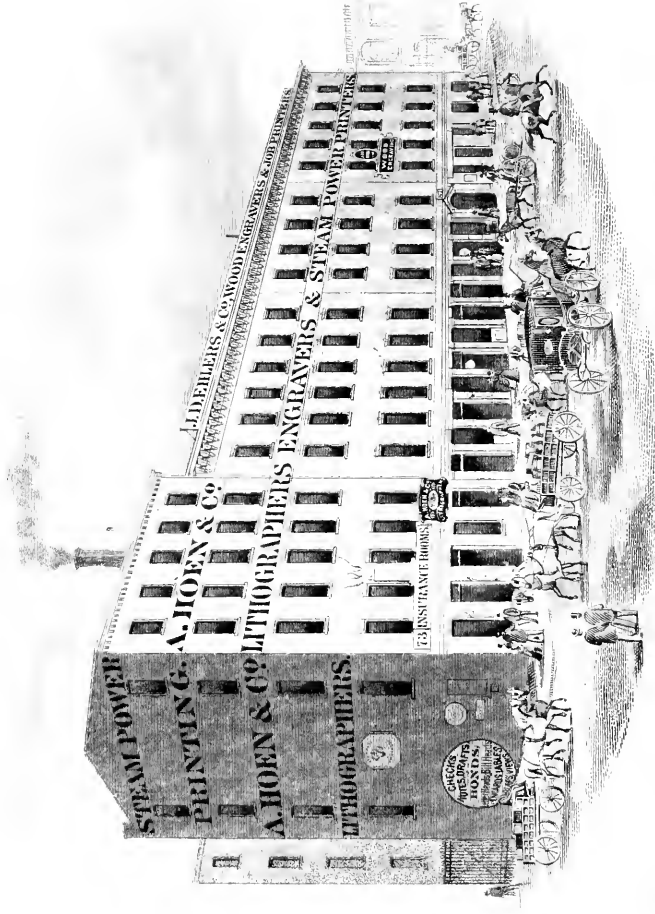
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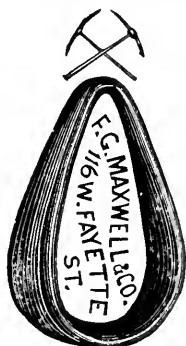
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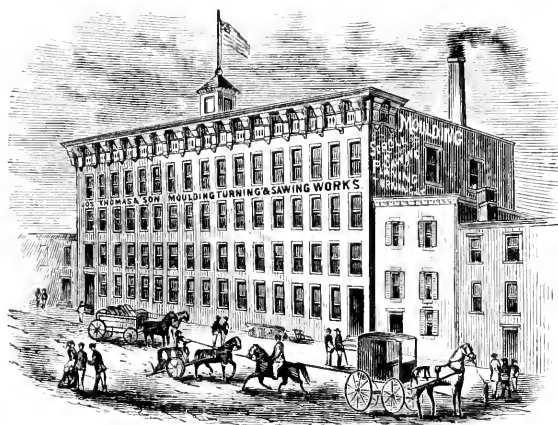
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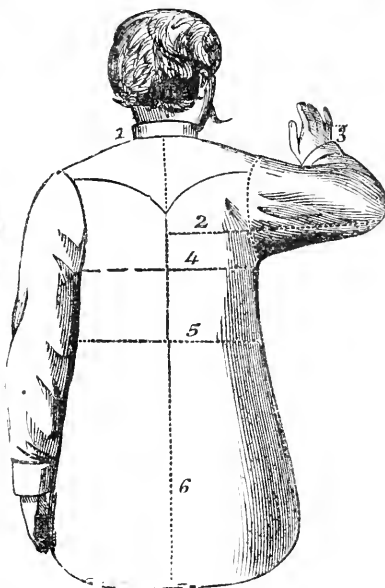
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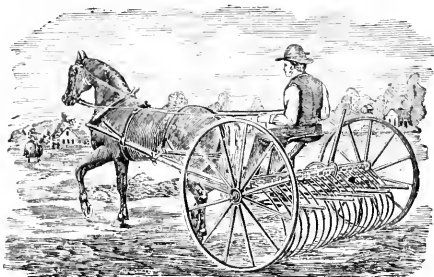
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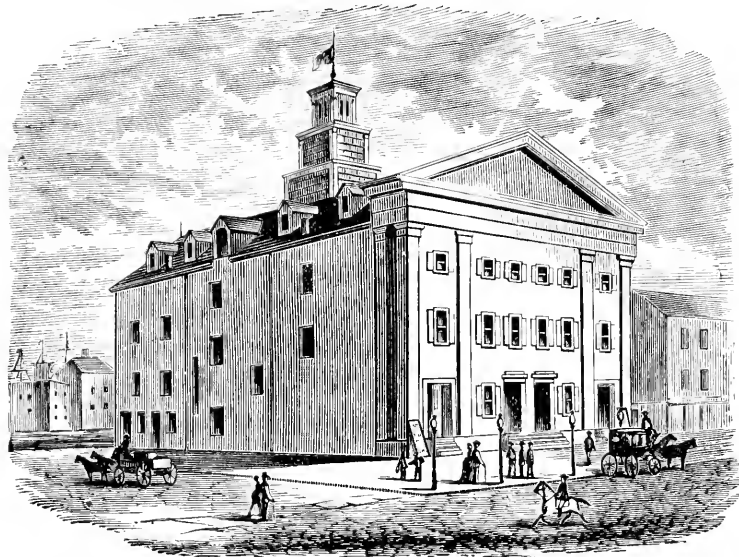
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DRAMA AND VARIETY, - - - Nightly and Matinees.

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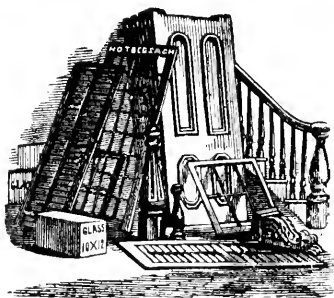
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155 W. FAYETTE ST. FOOT OF LEADENHALL ST.

A PATENT BOOT.



French Calf, Stitched,
HAND MADE TO ORDER,

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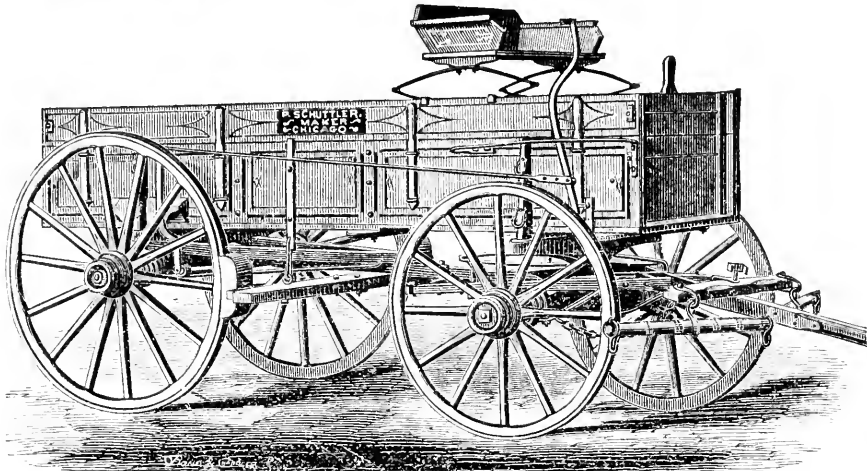
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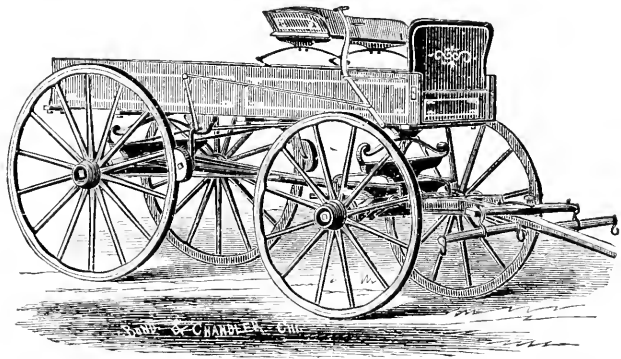
We offer for sale, as the Agents for Baltimore, the SCHUTTLE WAGON. We will not adopt the stereotype phrase of advertisers generally—that they are “THE BEST IN THE WORLD”—but will WARRANT them to be EQUAL TO ANY, and SUPERIOR to many makes that are represented on PAPER as the BEST. The wagons speak for themselves. We ask an examination by those who want, before they purchase elsewhere, if possible. A WRITTEN warranty will be furnished with each wagon sold, if desired. Prices as follows:

SIZE OF SKEINS.	SIZE OF TIRES.	CAPACITY.	PRICE.
23x8	11x1 1/2	1,500 lbs.	\$110.00
3 x9	11x1 1/2	2,000 “	110.00
3 1/4x40	11 1/2x9-16	3,000 “	115.00
3 1/2x11	15 1/2x3 1/2	3,500 “	120.00
3 3/4x12	1 1/4x3 1/4	4,500 “	125.00
4 x12	2 x3 1/4	5,500 “	137.50

IRON AXLE.

SIZE OF AXLE.	SIZE OF TIRE.	CAPACITY.	PRICE.
1 1/2x 9	11 1/2x9-16	3,000 lbs.	\$120.00
1 3/4x 9 1/2	15 1/2x3 1/2	3,500 “	125.00

For the above prices, include Running Gear, Single and Top Box, Whiffletrees, Neck-yoke, Wrench and Stay Chains. Brake and Spring Seat added at \$6 each.

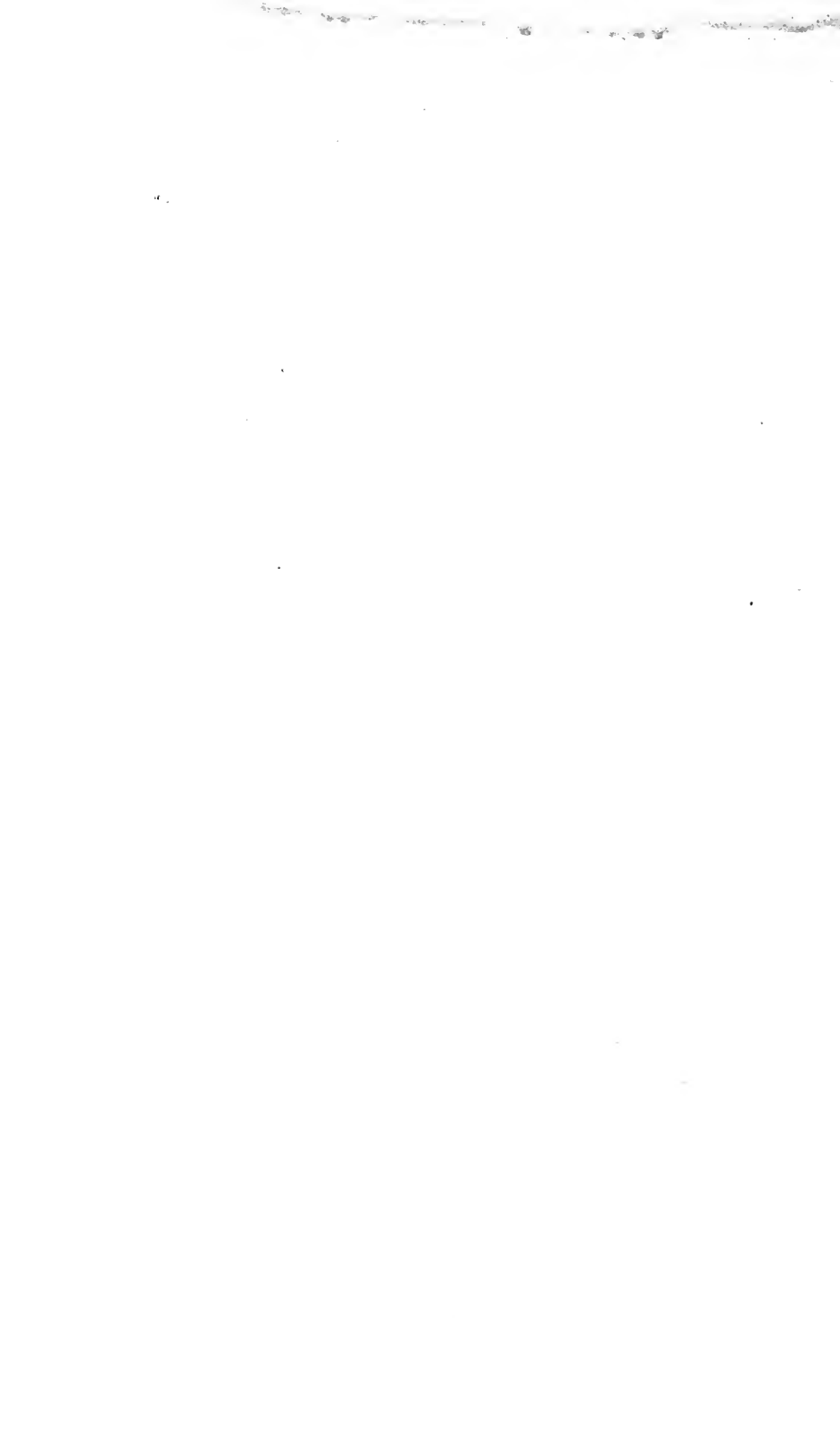


The above cut represents a very neat, beautifully finished, THIMBLE-SKEIN SPRING WAGON, with one Spring Seat and either Pole or Shafts. Very suitable for country merchants and farmers as a light express wagon or pleasure carriage.

SIZE OF SKEIN.	SIZE OF TIRES.	CAPACITY.	WITH BRAKE.	WITHOUT BRAKE.
2 1/2x7 1/2	1 1/2 x 3 1/2	1,200	\$118	\$110
2 3/4x6 1/2	1 1/2 x 3 1/2	1,000	128	120
Each additional seat				5.00
One pair steps.....				3.00
Extra shafts or pole.....				10.00

All orders will have prompt attention.

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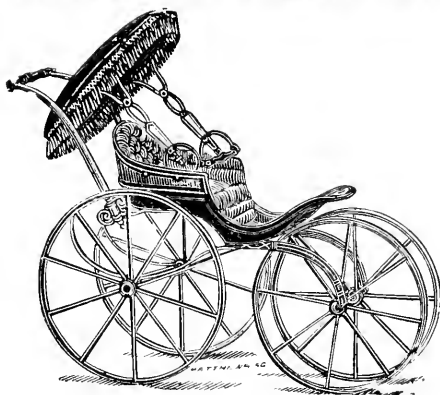


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Carbolate of Lime and Carbolic Acid,

THE BEST DISINFECTANTS IN USE.

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WEED FAMILY FAVORITE.....	25
WILSON NEW UNDER-FEED.....	25
WHEELER & WILSON— $\frac{1}{2}$ CASE.....	25
GROVER & BAKER—FANCY.....	25
WILCOX & GIBBS.....	25
AMERICAN IMPROVED.....	25

These Machines are all equal to any made of their kind, and are offered at the lowest prices yet made to Lodges. Call or address

ORMOND, ALLYN & CO.,
41 N. Gay Street, BALTIMORE.

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FURNITURE
WAREROOMS,
376 West Baltimore Street,
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Keep constantly on hand a full Assortment of PARLOR
and CHAMBER SUITS.

WM. M. JONES,
Mattress Manufacturer
No. 88 NORTH HOWARD STREET,
SECOND DOOR NORTH OF SARATOGA ST.,
BALTIMORE.

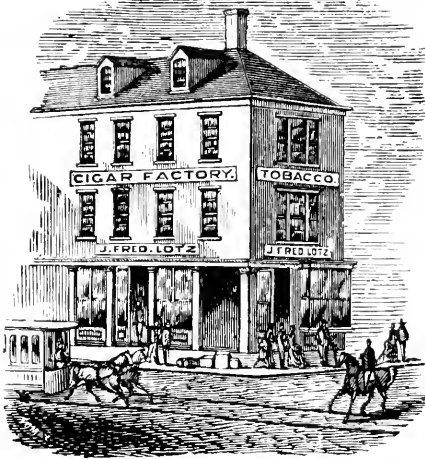
Steamboats, Hotels, Boarding Houses and Private Families fitted out at short notice. Spring, Hair, Husk and Cotton Top Mattresses, Pillows, Bolsters and Comforts always on hand. Repairing neatly done.

Having witnessed the process employed by W. M. JONES'S Patent for Renovating Beds and Mattresses, it gives me pleasure to testify to the thorough manner in which it removes all impurities from the Feathers and Hair, and restores their original elasticity. One most important result of this mode of cleaning, consists in the destruction by heated steam of whatever organic germs of disease may be present, and the removal of the noxious emanations from the human body, which are absorbed and retained by beds long in use. Regarding this as a matter of considerable importance in a hygienic point of view, I would, therefore, cordially recommend the process, not only upon the score of cleanliness, but as very materially contributing toward the maintenance of health.

W. H. BALTZELL, M. D.

J. FRED. LOTZ,
Cigar Manufacturer
S. E. COR. LOMBARD & HANOVER STS.
BALTIMORE.

Manufacturer of the celebrated GREEN SEAL and LUNCH BRANDS. Price List sent on application and Show Cards furnished to the trade. Dealers will find it greatly to their advantage to buy direct from a Manufacturer.



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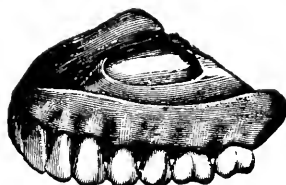
224 West Pratt Street,

A FEW DOORS BELOW THE CITIZENS NATIONAL BANK.

DR. S. H. GILL.

DR. E. A. GILL

Drs. S. H. Gill & Bro.



DENTISTS,

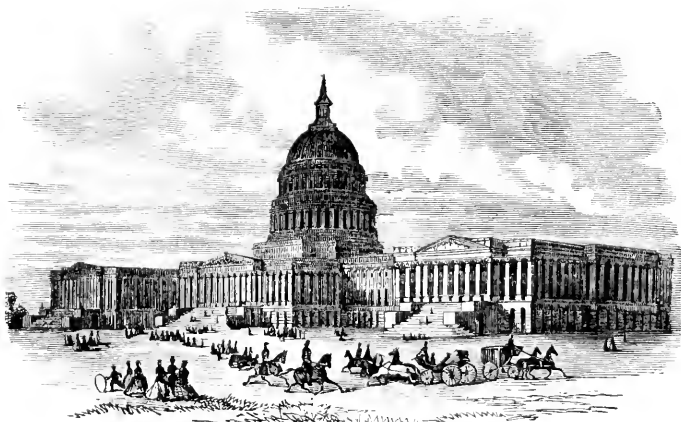
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Turner & Hopkins,
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Dealers in all Kinds of
L U M B E R,
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U. S. CAPITOL, WASHINGTON.

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—•—
OFFICE AND YARD,
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GRANGERS' TRADE INVITED.

1874.

R. SINCLAIR & CO.'S

Pictorial and Descriptive

CATALOGUE

OF

IMPROVED

Agricultural Implements

AND

MACHINERY,

All of our own Manufacture and some of the most valuable
Machines, our own Patent.

Dealers in Agricultural and Horticultural Tools, &c., &c.

ALSO,

Growers and Importers of Garden and Field Seeds, Trees, Plants, &c.

STORE AND OFFICE,

No. 62 Light Street.

Warehouses, Baldertson St., near Light.

Factory & Machine Shops, Hamburg & Grindall Sts.

FEDERAL HILL,

BALTIMORE, MD.



BALTIMORE:

PRINTING HOUSE OF SHERWOOD & CO.

1874.

INTRODUCTION.

THE Proprietors, in offering this, their Retail Catalogue of the latest and most approved class of Labor-Saving Agricultural Implements and Machinery, to the Public and our many Friends and Customers, would respectfully beg leave to call their attention to the fact that it is our desire to sacrifice every selfish consideration towards the improvement of our Implements and Machinery, and the introduction of new and Labor-Saving Implements, in proportion as the progress of improvement in Agriculture advances, and the wants of the Farmer demand.

The business of the House has been conducted in this city for nearly three-quarters of a century, and is still carried on under the same name and firm-style that it bore when first established.

The thorough knowledge of the wants of the Farmer and Planter, and the experience in Manufacturing acquired during this long period, enables the firm to offer to the Farmers and dealers of the South, South-West and West, Implements and Machinery adapted to their wants, and on the most reasonable terms.

We cannot, in the limited space of a Catalogue, enumerate all the Machines to be found in our Stock, but only mention those of the most importance to the Farmer. We can always supply any Machine or Implement our Customers may need, and at short notice.

We employ only the most experienced mechanics (most of whom have been in our employ for many years, and a goodly number of them have served their apprenticeship in our shops). We use only the very best materials in all departments of our manufacture.

In 1870 we built an extensive Factory on Hamburg and Grindall Streets. The main building on Hamburg Street is one hundred and fifty feet long by forty feet wide, and three stories high. The bottom floor is occupied as a Machine shop, Plow shop, with Planing Machines, Circular Saws and Chamfering Machines. The second story is used as a Wood-work shop, where are made all the frames and wood-work of the different Machines. A part of this floor is set apart for what is called the Fan shop, where are made Wheat and Corn Fanning Mills, Grain Cradles, Cider Mills and Presses, etc. The third story is used as a Paint shop and storage room.

Running at right angles with the main building is a building one hundred and forty feet long by thirty-six feet wide, the most of which is two stories high, and is divided into Engine room, Boiler room, Grinding room and Blacksmith shop. In this, as well as in the main building, every department is supplied with city water and the buildings are so arranged as to give a bountiful supply of light and air. These, together with the advantages of Labor-Saving Machinery, enable us to turn out work from 10 to 15 per cent. cheaper than can be done by any similar establishment in this country.

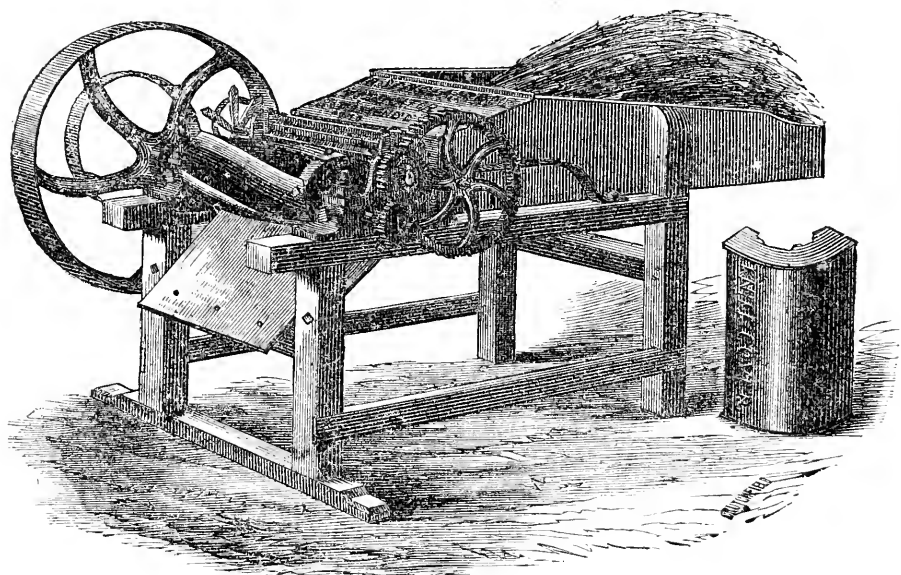
Respectfully,

R. SINCLAIR & CO.

Pictorial and Descriptive Catalogue.

Sinclair & Co.'s Patent Corn Stalk, Sugar Cane, HAY AND STRAW CUTTER.

(Three Hundred First-Class Premiums and Gold Medals.)



The Masticator, as shown by the above cut, has been greatly improved in the last two years. We have substituted a heavy wood frame for the cast-iron one formerly used, which enables us to put heavier axles in feed-rollers, and the main shaft is also made heavier than they were when the cast frame was used. There is still another advantage by substituting the wood frame, that is, the Machine works with a downward cut instead of the upward cut, as was the case when the iron frame was used.

This machine is made with four (4) powerful, heavy cast-steel knives, attached to permanent, solid, cast-iron cylinder-heads, to which they are attached by screw-bolts, which can be removed in a few seconds for the purpose of grinding or adjusting, etc.

The Masticator has two crushing feed-rollers, the bottom one of which is ribbed, and the top one corrugated or rough, by which means the corn stalks, etc., are thoroughly crushed before being cut by the knife cylinder.

The cylinder is easily adjusted by means of set screws in the main shaft boxes, by which the cylinder is easily moved to and from the bed steel.

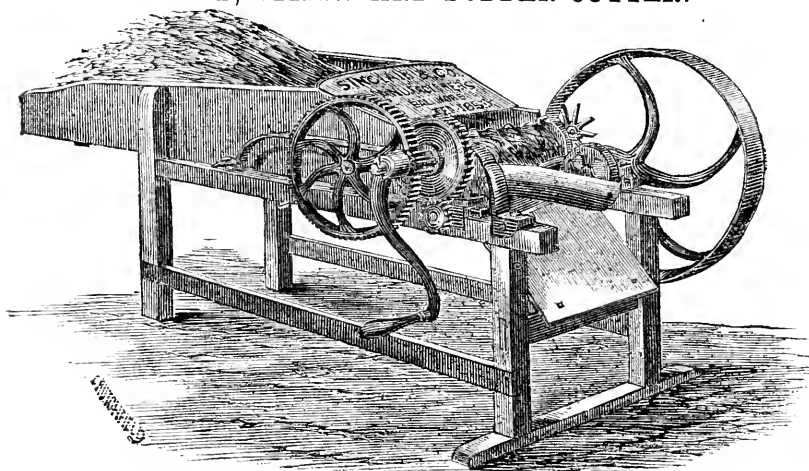
For strength, durability and efficiency it has no equal in the United States. It has taken the first class Premium at all the Agricultural Fairs at which it has been exhibited, for over fourteen years; and also the Gold Medal of Honor at the World's Fairs in London, Moscow and Paris. The Masticator is arranged to cut different lengths, namely: $\frac{3}{8}$, $\frac{3}{4}$, $1\frac{1}{2}$ and 3 inches. This change is effected by a change of pinions.

There are now in use in this country over 10,000 of these machines, scattered through every State in the Union, all of which give entire satisfaction to the purchaser.

We make four sizes, namely :—Nos. 1. 2. 2½. 3.

Price, \$45.	\$55.	\$75.	\$85.
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Sinclair & Co.'s Patent Screw Propeller HAY, STRAW AND FODDER CUTTER.



Over three hundred first-class Premiums and Gold Medals have been awarded this Cutter in the last sixteen years.

This Machine, now in its eighteenth year, and the seventeenth since the date of the Patent, stands unrivaled as a Cutter, for efficiency, durability and strength, merits it possesses over all other Cutters in this country. Its durability is of such a nature that when properly handled it will last a lifetime.

The Patent on these Machines has been extended for seven years, which goes to show their value; as, in fact, it is the only Straw-Cutter that has maintained its high reputation during the first term of its Patent. Most other Cutters, of less value, generally become extinct before they run more than one-half of the Patent term.

The Feed-Roller of the Propeller is one of the most attractive features of the Machine. It is so constructed that it matters not how tangled or crooked the material to be cut is when put in the box, it will comb it out straight to the knives, so as to be cut even and uniformly. The knives are attached to strong cylinder-heads by bolts which can be easily removed for grinding, etc. It possesses all the necessary contrivances to a perfect adjustment of all its parts, necessary to successful cutting.

The Cutters are now in constant use in every section of this country, and as they grow older it would seem their merits are more appreciated by intelligent farmers and planters everywhere.

They need only a trial to be fully appreciated; they are guaranteed to give entire satisfaction to the operator.

GIVES PERFECT SATISFACTION.

This, together with the superior materials used, and the perfection of its construction, we are justified in saying, that there is no Cutter made in this or any other country to compare with it.

All efforts of inventors that have been made in this country toward improving or inventing Straw-Cutters, have failed to produce a machine of equal perfection to the *Patent Screw Propeller*.

In final, we would say to every farmer and planter in the United States, if you want the best Straw and Hay-Cutter, buy the Screw Propeller.

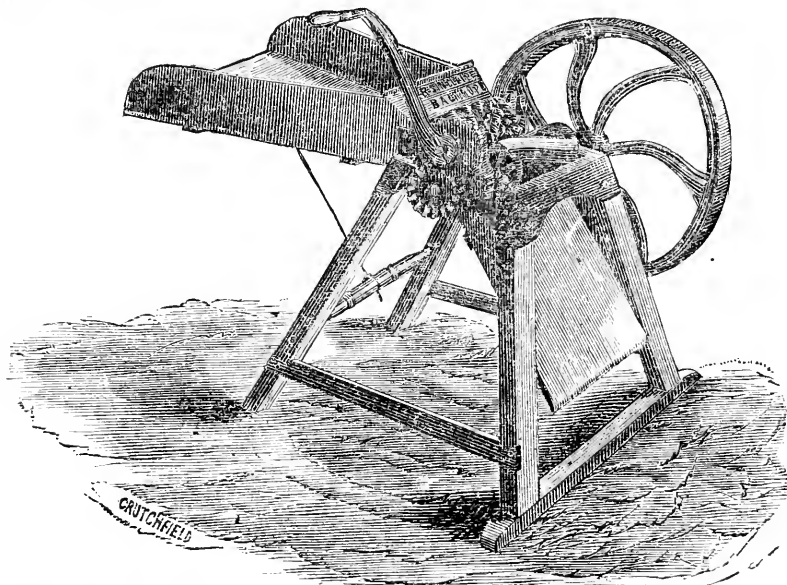
If you want the best Corn-Stalk or Sugar-Cane Cutter, buy our Patent Masticator, either one of which, when properly managed, will save you the price paid for it in a very short time.

We make six sizes, either with two or three knives on the cylinder.

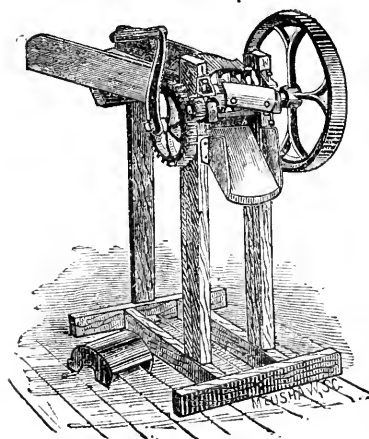
Sizes:—6 inch. 8 inch. 9 inch. 11 inch. 13 inch. 15 inch.

Prices: \$16. \$23. \$35. \$38. \$50. \$55.

The above prices are for Cutters with two knives on the cylinder. If three knives are furnished on the cylinder, \$5 additional is charged on the 13 inch and 15 inch, \$4 additional on the 9 inch and 11 inch, and \$2 additional on the 8 inch.



One of the most Popular Hand-Power Cutters in the United States.

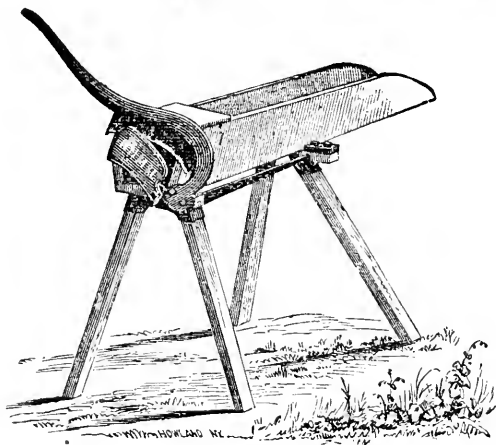


The accompanying cut shows the six inch Propeller, gotten up by us within the last six months. The object of the firm in getting up this Cutter is, for it to take the place of all the common, cheap, good-for-nothing cutters now flooding the country, such as the Raw-hide Roller Cutter, Copper Strips, Lever Cutters, and a host of others too numerous to mention.

This machine has all the advantages of the Screw Propeller feed-rollers, and is much more simple in the arrangement of its cutting cylinder, being more easily adjusted. This machine, since its introduction, is sought after by all our agricultural implement dealers all over the country; in fact, the demand for them now is greater than the supply. They are the simplest Cutters made; also, strong and durable, and we guarantee one of them to last longer, and give more satisfaction to the operator, than half a dozen of the cheap, common

cutters now in use would last, one used after the other. It is easily managed, and a boy of nine or ten years of age can operate it with ease. It is at once the cheapest and best small hand-power Cutter made in the world.

Hand Lever Cutter,



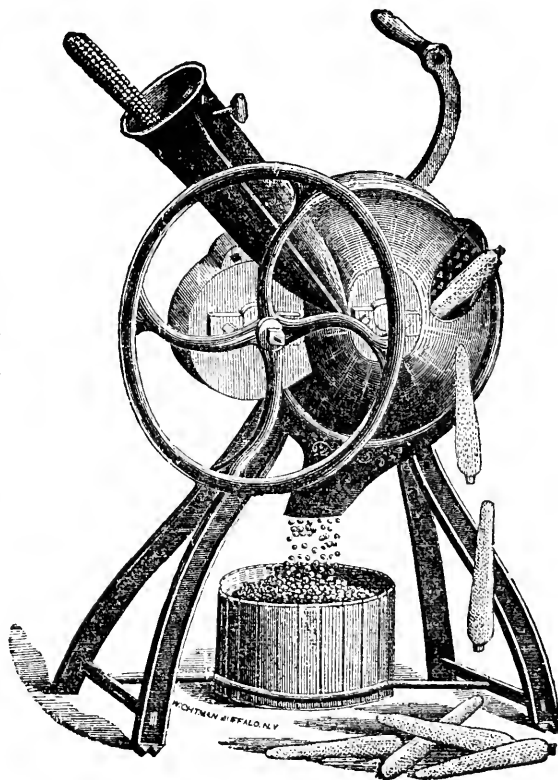
This Machine is fed by hand; is simple and strong, but only intended for small operations.

Price, \$11.00.

BURRALL'S IRON SHELLER AND SEPARATOR.

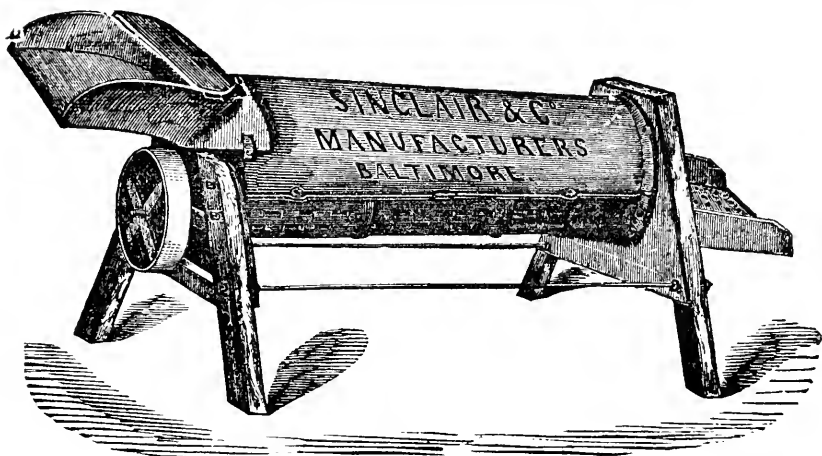
This Sheller is made entirely of iron; it separates the cob from the corn, the cob passes out on the side, whilst the corn passes down through the spout below into a measure or basket, as shown by the cut.

PRICE, \$14.



READING'S PATENT HORSE-POWER CORN SHELLER AND CLEANER.

This Sheller has Won the Laurels at every Agricultural Fair at which it was Exhibited.

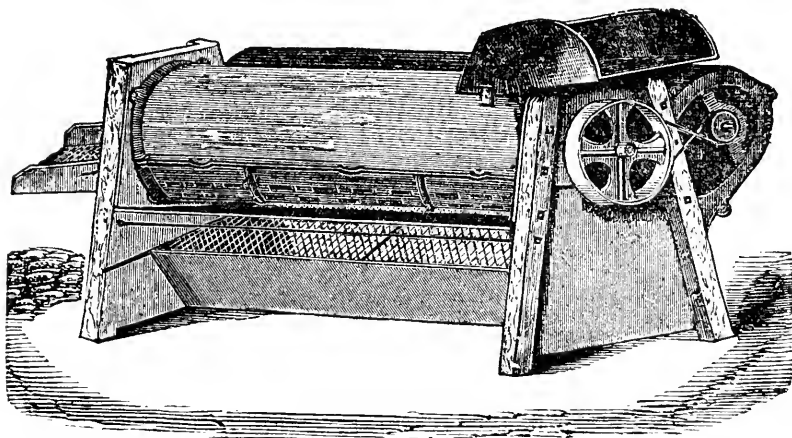


This is justly called the King of Shellers, it being the largest portable Sheller, and having the greatest capacity of any Sheller made in this country.

It is made entirely of iron, except the legs on which it stands (they being wood). It is in general use in all parts of the South and West where Corn is raised to an extent, and is the most valuable pattern for large Plantations.

Capacity from 1,500 to 2,500 bushels per day.

Patent owned by Sinclair & Co., for all the Southern and Southwestern States.



We have, within the last two years, applied a fan to this Sheller, which adds considerably to the efficiency of the machine.

By means of the fan the Corn is cleaned as soon as shelled, and made all ready for market at one operation, thereby saving the labor and expense of second handling.

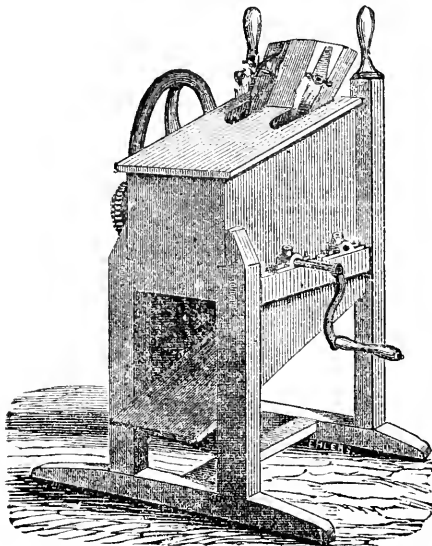
The machine is run exclusively by Horse, Water, or Steam Power.

Reading Sheller and Cleaner.....Price, \$95.

Reading Sheller, without Cleaner.....Price, \$65.

SINCLAIR'S IMPROVED DOUBLE SPOUT, OR WESTERN HAND CORN SHELLER.

This Sheller has Taken, the Last Year, Ten First Premiums.



This Sheller has double spouts, by which two ears of Corn can be shelled at one time.

It is also double-gearred on the outside of the frame, the cog gearing coming between the frame and the balance-wheel. This, gearing together with a heavy fly-wheel, makes the Sheller run at least 30 per cent. lighter than a similar Sheller gearred in the old way.

We also make this Sheller with a pulley or balance-wheel, by which it may be run by power, if desired, at any time.

Capacity, by power, from 400 to 500 bushels.
Capacity, by hand, " 300 to 350 "

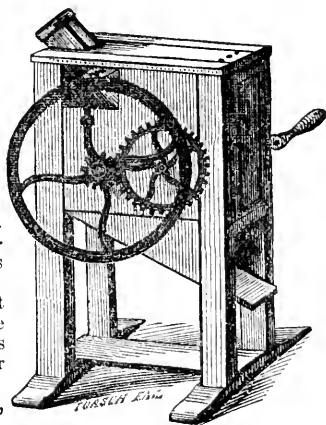
Price, \$22.

SINCLAIR'S IMPROVED SINGLE SPOUT DOUBLE-GEARED HAND CORN SHELLER.

This cut represents our Single Spout Sheller. It is also double-gearred, has a heavy balance-wheel, and turns lighter than any Sheller of its kind made.

This Sheller has taken the First Premiums at the Maryland State Fair, Raleigh (N. C.) State Fair, and several County Fairs, in 1869. It is considered the best Single Spout Hand Sheller in use.

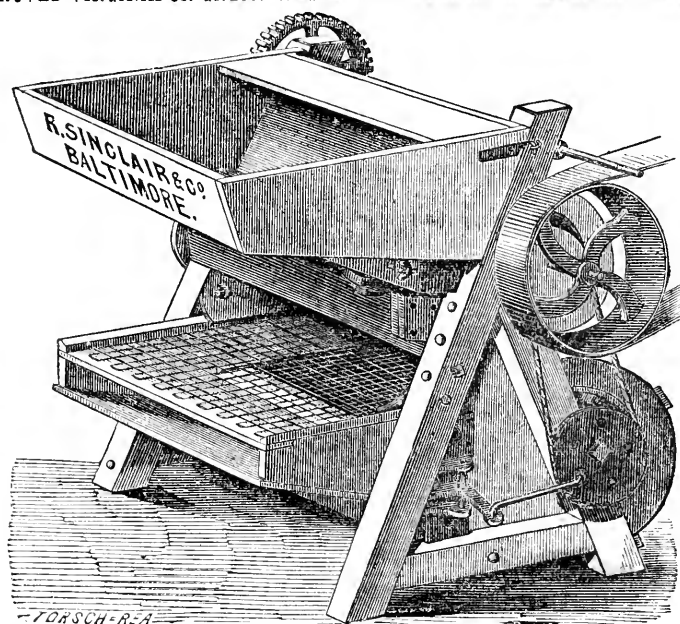
Price of Double-Geared Single Spout Sheller, \$15.00.



We also make Wood Spout Shellers, Single and Double-Geared. They are made strong, and are very efficient.

Wood Spout, Double-Geared, Price.....	\$12.00.
Wood Spout, Single-Geared, 1 wheel, Price.....	\$10.00.
Wood Spout, " 2 wheels, Price.....	\$11.00.

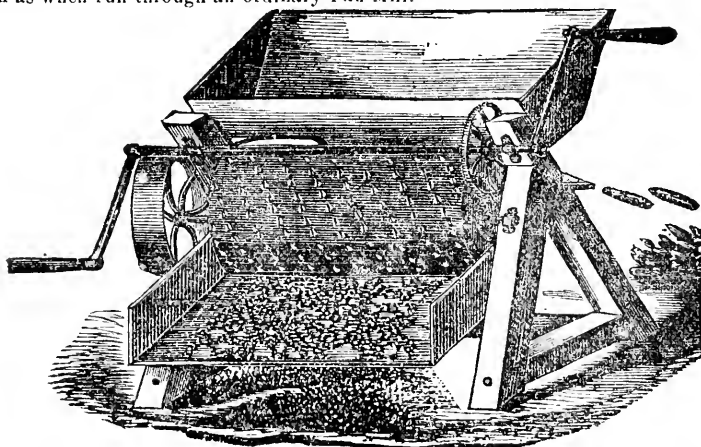
IMPROVED VIRGINIA OR GREAT WESTERN HAND AND HORSE POWER SHELLER



This Sheller is constructed to run either by hand or horse power.

We have recently improved this Sheller by the application of a complete Cleaning Attachment, by which the Corn is shelled and cleaned at the same time.

The Cleaner consists of a Fan and a movable Shoe of Riddles or Screens, which thoroughly separate all broken cobs, chaff, etc., leaving the Corn in as good condition as when run through an ordinary Fan Mill.



This Sheller will also, when made without the Fan, thoroughly separate the cob from the Corn, and will give as good satisfaction as any Sheller of its size made. For simplicity of construction and ease of management we rank it amongst our most valuable machines.

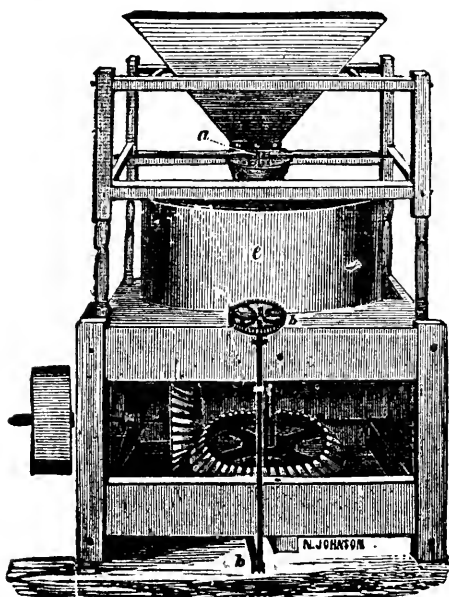
Capacity, by Horse Power, from 600 to 800 bushels per day.

Capacity, by Hand Power (two hands), 400 bushels per day.

Sheller and Cleaner (Horse Power), price.....\$52.

Sheller, without Fan (Hand or Power), price.....\$38.

French Burr and Cologne Stone Plantation Mills.



The difficulty of constructing a domestic Corn Mill, possessing all the requisites necessary for Plantation use, has occupied the attention of the Proprietors for several years. They are now able to inform their customers that the object is accomplished. The figure herewith represents a machine every way adapted for grinding the finest quality of meal for market or family use, or for chopping feed for stock.

There are numerous similar Mills made in this country, but nearly all of them fall short of the object—which is, a Mill requiring light draught, and one that will grind sufficiently fast, and

fine enough, for all the wants required on a Plantation. But, to

The Improvements and Advantages Possessed:—


First:—The Stones (French Burr or Cologne) are cut to produce the least friction, at the same time to act on the grain in the most effectual manner.

Second:—The feeding is performed by a simple and efficient device by which the quantity of grain can be regulated, as it passes from the Hopper to the Stones, in the most regular manner, thus producing an evenness and regularity of work performed.

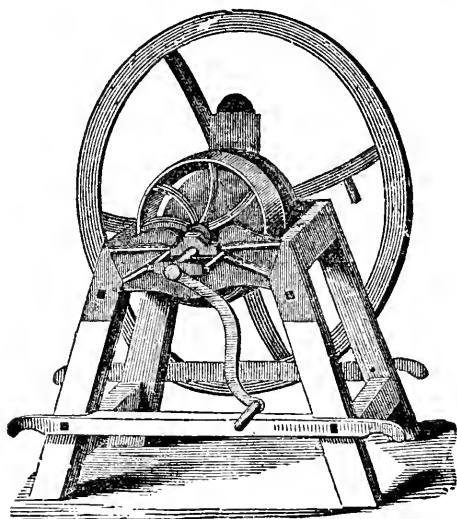
The Frame is made strong and substantial, out of the best White Ash. The Mill is also double-gearred, made strong and heavy, so as to stand the resistance of almost any quantity of power applied. It is also supplied with a simple device by which the top stone can be raised or lowered in an instant, to regulate the fineness of the material ground. There are hundreds of these Mills in use, and to any one wanting a first-class Plantation Mill, we can recommend them with confidence.

The following are the sizes most generally used on Farms and Plantations:

30 inch French Burr Mill.....	Price \$225.
26 inch " " "	200.
26 inch Cologne " "	135.
30 inch " " "	150.

 Larger Mills at proportionate rates.

Sinclair's Vertical Corn and Cob Crusher, FOR HAND OR HORSE POWER.



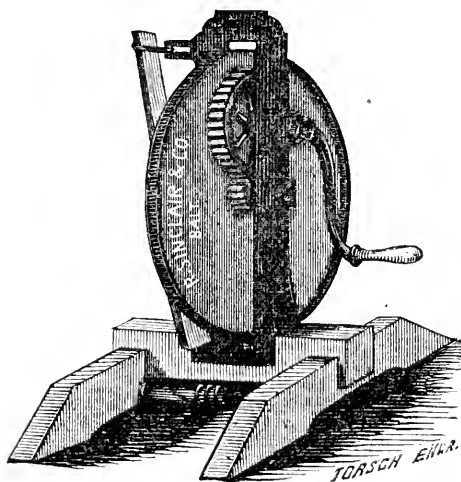
The Vertical Crusher can be worked by two men or by horse power.

They are generally used in South America, to which market we send quite a number, for the purpose of grinding rice, corn, etc.

Some few are used in the United States by farmers who only want a small quantity of ground feed.

Price \$30. Sheet-Iron Hopper, extra, \$3.

VERTICAL IRON WHEEL OR NEGRO CORN SHELLER.



This Sheller is all iron (as shown by the cut), except the stand on which it sits, which is wood. The Corn is shelled by the wheel and a vertical spring. The Corn is thrown in on the side of the wheel and is shelled very rapidly; in fact, as fast as two men or boys can feed it.

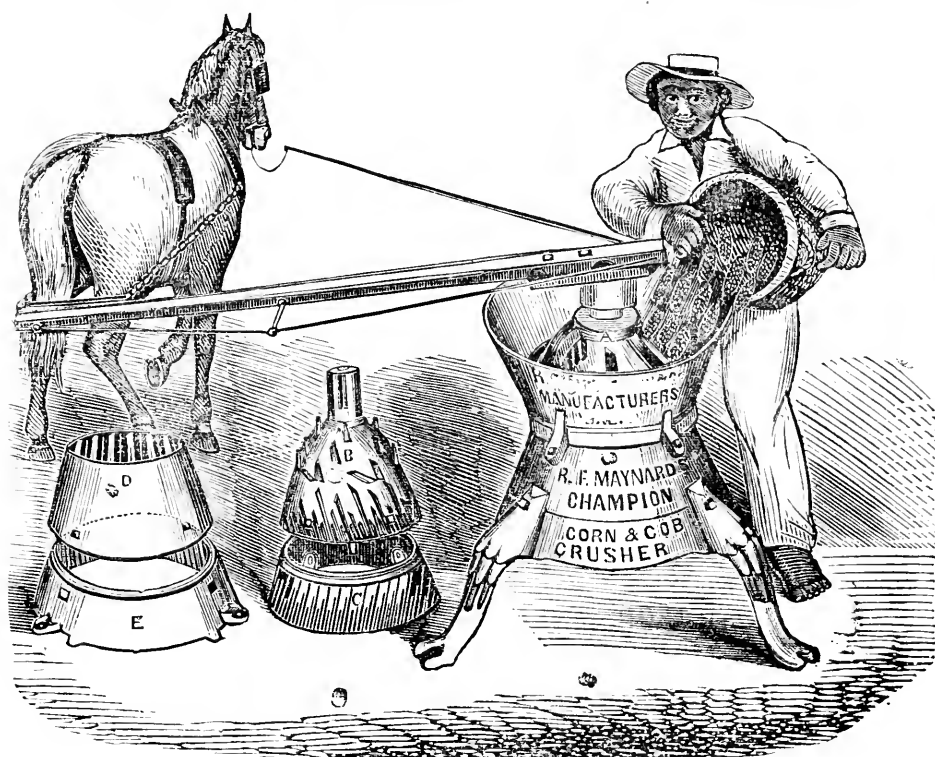
It is one of the most substantial Shellers made, and is, as the name implies, the negro's own Sheller, from

the fact that it is so simple and strong that the most careless hand cannot well get it out of order.

This Sheller is much used in the Gulf States.

Price reduced to \$18.

MAYNARD'S CHAMPION CORN AND COB CRUSHER.



This cut shows the construction of this valuable machine. For farm and plantation use, Maynard's Improved Crusher is doubtless the most valuable machine that has been introduced to the notice of the farmer:

It is simply worked by one or two mules or horses attached to a wooden lever, thus saving the necessity and consequent cost and delay of employing a horse-power machine.

The improvement principally consists in forming a more uniform crushing or grinding surface, and having the lower part of the cone and concave in rings, and cast separate from the main castings. Those rings are the portion of the grinding surface most liable to wear, and can be renewed at pleasure.

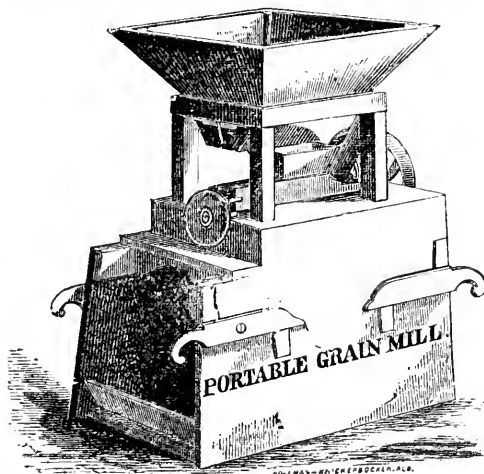
The Machine is designed to grind Corn and Cob, Corn and Oats, etc., for stock, and should be used by all our practical farmers who feed Corn to stock.

Capacity from 5 to 8 bushels per hour, depending on the condition of the corn and the application made.

Price.....\$45.

PORTABLE

Corn Mill and Corn and Cob Crusher Combined.



This Mill, as shown by the cut, is made of cast iron, the Grinding Plates are constructed on an entirely new principle, and made of chilled cast iron.

The grinding works of this Mill, by their peculiar construction, wear very slow, and produce meal of the desired quality for making corn bread.

The Mill is also capable of grinding corn and cob, or corn and oats, for stock, to any degree of fineness desired.

The construction of the grinding works is horizontal; the running cylinder is conical, having around its periphery a succession of spears or cutters, which, by the revolution of the cylinder, come in

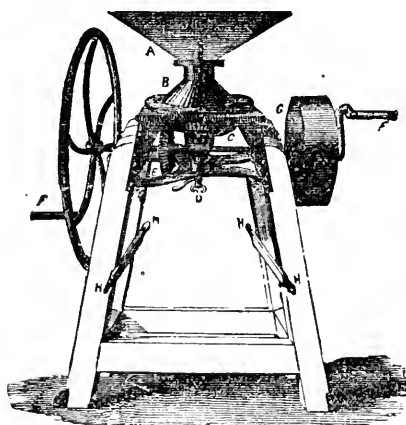
close contact with irregular, spiral, sharp, square-edged cutters, attached to the concave, which gradually force the meal forward and out at the opposite end from which the grain enters.

When the cylinder or cutters wear to a dull edge, they may be brought to their original sharpness, simply by passing the requisite quantity of sharp sand through the Mill.

These Mills are adapted to the Two-Horse Railway Power, or to the light Four-Horse Lever Power, and can be run by Water or Steam Power, and will grind from eight to twelve bushels per hour, according to the degree of fineness required and power applied.

Price, with sieve arranged for sifting corn-meal for family use.....\$45.

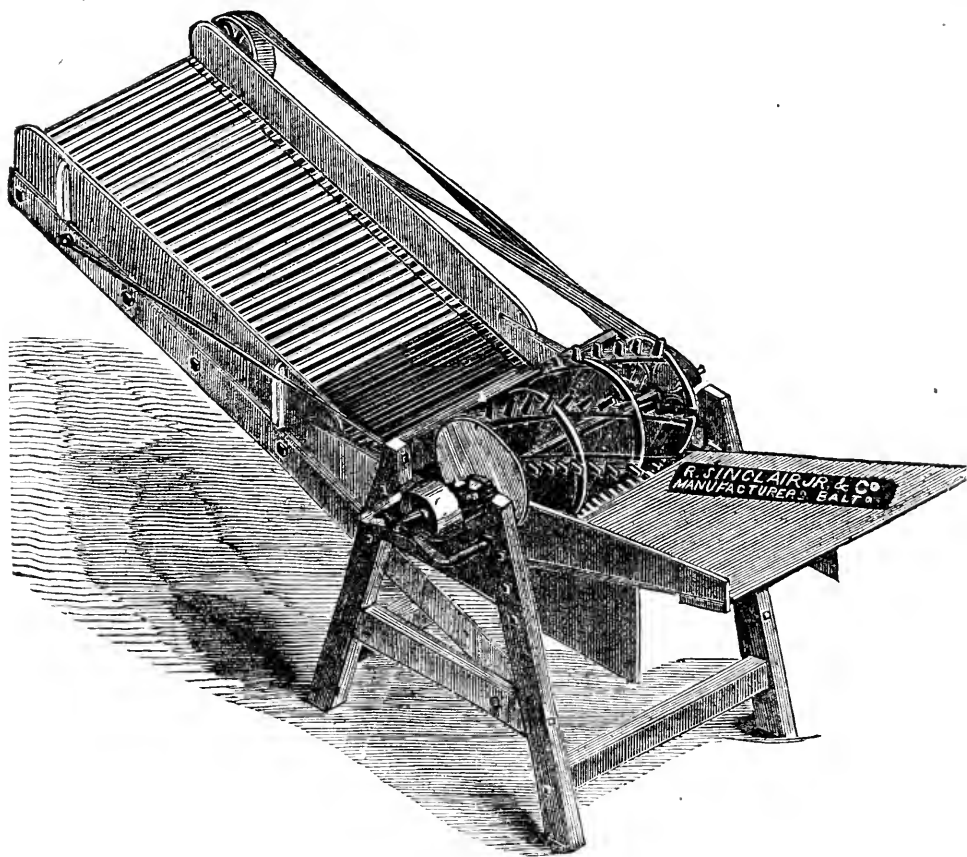
HAND AND POWER GRAIN, COFFEE AND SPICE MILL.



This is a very simple and durable Mill, and can be run either by Hand or Power. When run by power it will grind some four or five bushels of grain per hour, quality coarse. It is not liable to get out of order, and when the grinding plates are worn out they can be replaced by others at a small cost.

Price.....\$30.

SINCLAIR'S
SPIRAL WROUGHT IRON CYLINDER THRASHER,
WITH STRAW-CARRIER ATTACHED.



The latest improvement, and the most valuable, made on our Thrashing Machine Cylinder, is the plan of attaching spiral bars (see figure), instead of the ordinary horizontal arrangement.

There is an obvious reduction of draught, that the cylinder receives the straw faster; consequently will thrash with greater rapidity; that the spikes pass those in the concave alternately, produce less noise or surge—so objectionable in the parallel cylinder; causes less wear on the boxes and axles, and less risk of derangement. Our cylinders are made with open wrought-iron bars, instead of the solid or plain surface, which causes an agitation of the air when running, and blows

the dust out with the chaff, instead of producing an atmosphere of dust at the mouth of the Machine—so annoying and injurious to the health of the feeder.

These Machines are much used by our most popular farmers, both with and without the Straw-Carriers, and are such as we can recommend to all who need a first-class Thrasher.

We make four (4) sizes, with and without Straw-Carriers, to suit the wants of our customers, viz :

30 inch, with Straw-Carrier complete, price \$110.

25 “ “ “ “ “ 100.

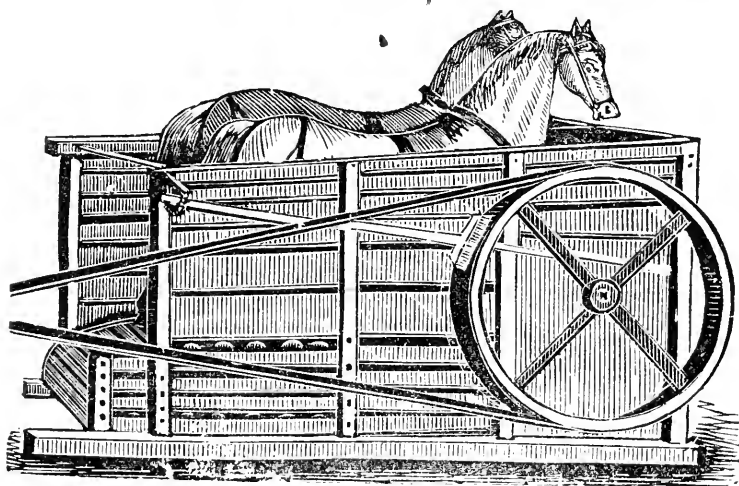
20 “ “ “ “ “ 85.

16 “ “ “ “ “ 80.

Thrashers, without Straw-Carriers, will cost from \$25 to \$30 less than the above prices.

The plain Thrasher, without the Straw-Carrier, is made in every way the same as that shown in the cut.

Endless Chain or Railway Horse-Power.



This cut represents the Railway Horse-Power, much in use in all the Northern and Eastern States. It is well suited for small farms, for thrashing grain, cutting feed, wood, etc.

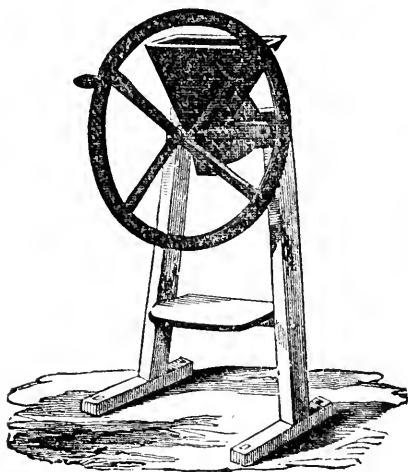
They are simple in construction, strong and durable, and for small farmers a very good and convenient Power.

We make two (2) sizes—for one and two horses.

Railway Power, two-horse, price \$165.00.

“ “ one-horse, “ \$135.00.

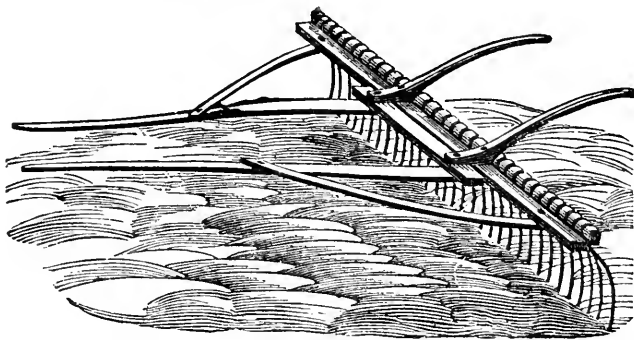
HAND GRAIN, COFFEE AND SPICE MILL.



This Mill is worked exclusively by Hand Power, and is much used for grinding Spices, Coffee, and Grain. It will make fair Hominy. When the grinding plates become worn, they can be replaced at little cost.

Price, . . . \$9.

Gleaning Spring-Tooth Rake.



This Implement, so well known in all parts of the country, and in use for several years, is considered by farmers to be far superior to the Revolving Rake for gleaning Wheat, Oats, etc.

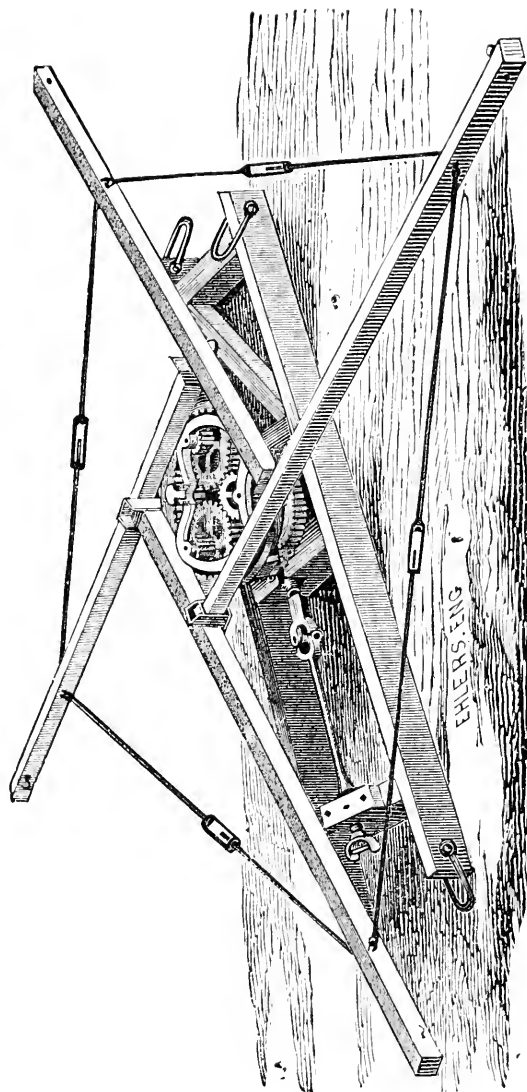
It is made in the very best manner, is strong and durable, and easily worked by one horse.

The following are the sizes, with price :

Gleaner, with 26 teeth, price \$16.00.

“ “ “ “ 20 “ “ 14.00.

P E L L O N ' S



O R,
Internal Triple-Gear Horse-Power.

The high esteem in which this machine is held by Farmers who have used them, for the last ten years, has induced us to mention it in our present edition, as still maintaining its old and well-earned reputation to-day, as it did ten years ago.

This machine has taken several first-class premiums at all our Agricultural State Fairs, from 1855 to the present day, and

is now held in higher esteem by our farmers of Maryland and Virginia than are most other Powers.

The advantages claimed for the Triple-Gear Power are, that it will stand three times the pressure, and wear three times as long as any single-gear Power in use. This will be apparent from the following considerations :

Eight horses, drawing 160 lbs. each, at the end of levers of ordinary length, exert a force of ten thousand pounds on the master-wheel of the Power ; in the single-gear Power this is all transmitted through a single pinion—the wear is consequently great, and the liability to break proportionate.

In the Pelton Power, the cogs of the master-wheel are on the inner side, and gear into three pinions ; the strain and wear being equally divided between the three, is but one-third as great on each side as in a single-gear Power.

Some thousands of these machines have been sold for the last twelve years in the States of Pennsylvania, Maryland and Virginia ; and when properly made, give universal satisfaction.

They are particularly adapted as a portable Power, as they are easily and conveniently transported from place to place, and the most unskilled farm hand can set them down for use.

They will work equally as well on hillside as on level ground. They are particularly adapted to out-door exposure, as there is but little wood about them, and that of a kind that any carpenter can renew.

The Powers made by us are each run several hours at our shops, which insures their being in the best running order.

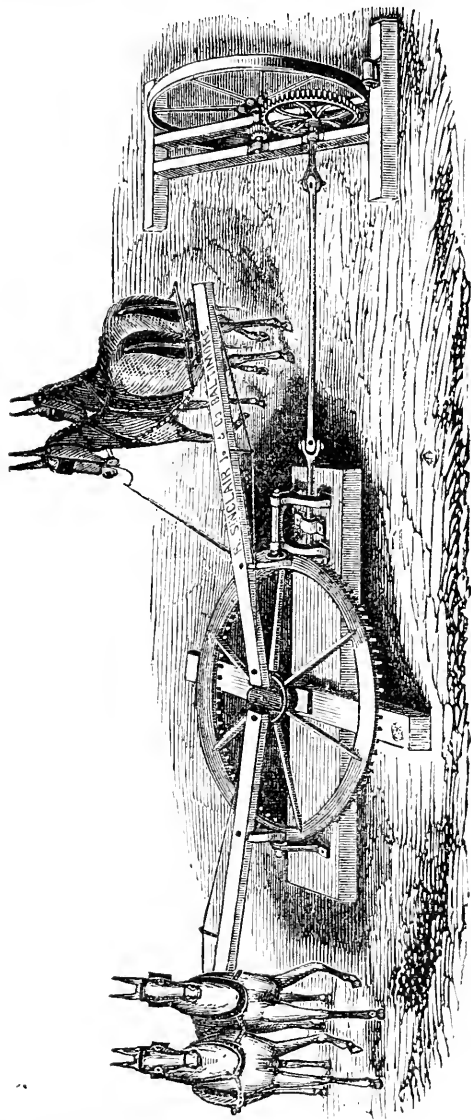
WE MAKE FOUR (4) SIZES, all of which are made of the Best Materials, and Finished in the Best Manner :

10-Horse Pelton Power, with band wheel,	Price, \$135.00
8 " " " " " "	" 125.00
6 " " " " " "	" 115.00
4 " " " " " "	" 95.00

We furnish Powers at the above prices, with Line Shaft, Head Block and Band Wheel complete.

When a Jack, or extra Gear, is required, an extra charge of from \$20 to \$25 is made.

SINCLAIR'S BEVEL-GEAR HORSE POWER.



This cut represents the improved Bevel-Gear Power, with the exception that the Power is used with four levers, instead of two, as shown in the cut; the same that received the First Premium from the Maryland Agricultural Society in 1854, 1855 and 1857. It will work easy and well, with four mules, in driving a Thrasher, Cotton Gin, Grist Mill, &c.

This Power is remarkably simple in its construction, is easily set up for work, and may be moved from place to place with great facility.

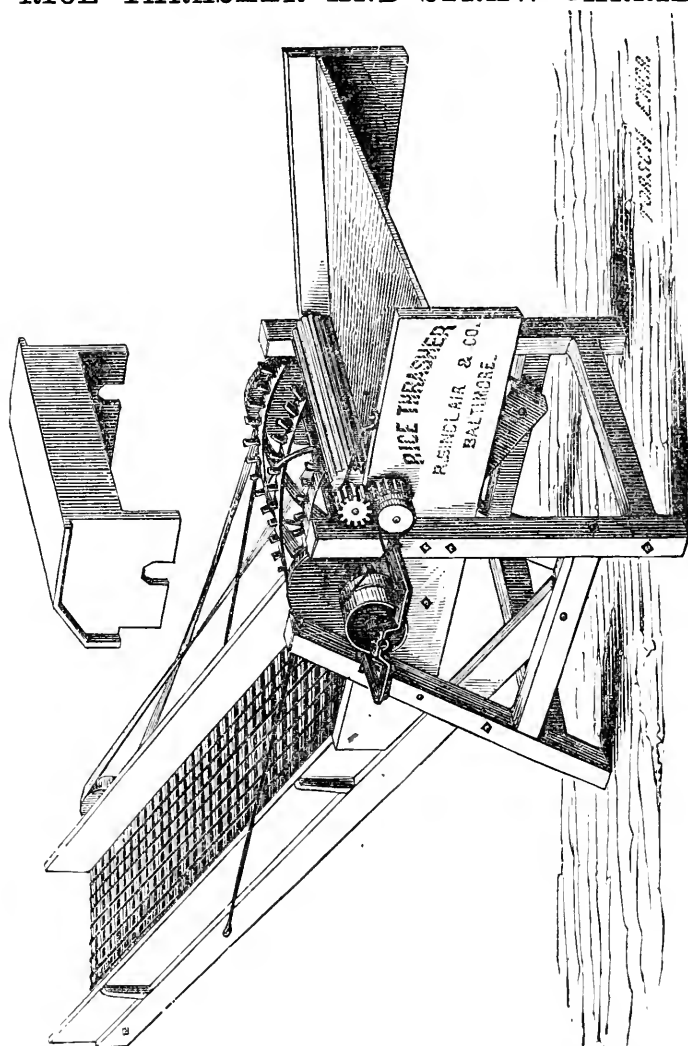
We make two sizes—

No. 2, for 6 or 8 horses, price \$200.00.

No. 1, for 4 or 6 horses, price \$160.00.

These Powers have extra Gear, Line Shaft, &c., complete, at the above prices.

RICE THRASHER AND STRAW CARRIER.

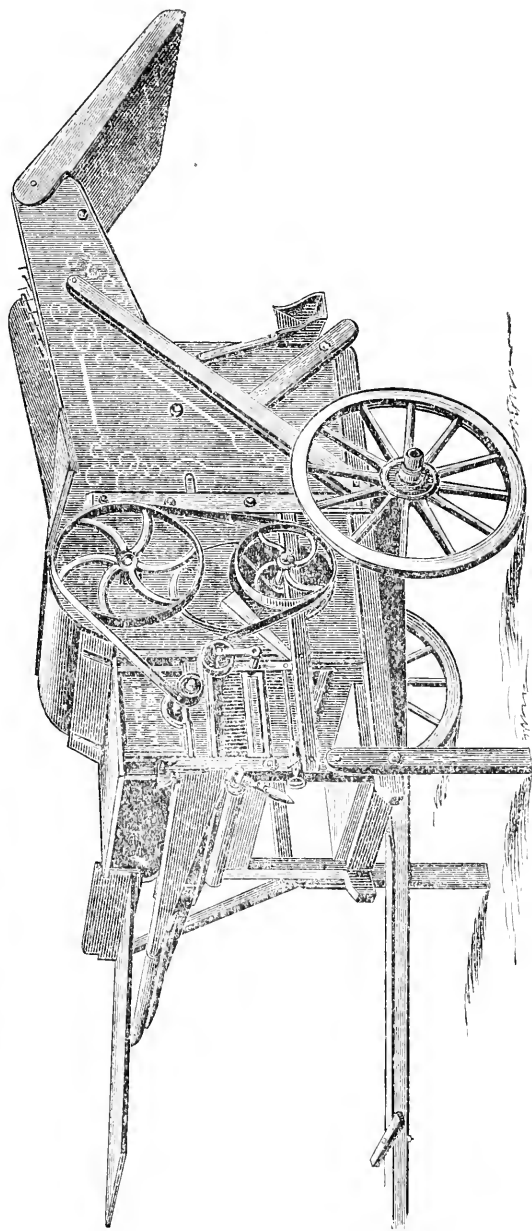


This Machine, as represented in the cut, is a very popular Machine in the Rice-growing sections of the South; in fact, it is the only successful Portable Thrasher for that purpose yet introduced. The peculiar construction of the Cylinder and Concave Feed Gauge, and Straw Carrier, has insured to this Machine a pre-eminence over all others yet used. We make four sizes of these Machines, to suit the wants of the Planters. The two small sizes can be run with the two-horse Railway Power, or a four-horse or four-mule Lever Power. The two larger sizes require the power of from six to eight horses to run them to their full capacity.

These Machines have been used for several years in North and South Carolina and Georgia, and are sold by the principal merchants in those States; also by the largest Implement manufacturers and dealers in New York city and Boston.

30 inch Rice Thrasher and Straw Carrier,	price \$150.00.
25 " " " " "	" 140.00.
20 " " " " "	" 125.00.
16 " " " " "	" 115.00.

CARDWELL'S PATENT SEPARATOR.



[FOR DESCRIPTION, SEE NEXT PAGE.]

CARDWELL'S PATENT SEPARATOR.

This Machine is fully represented in the preceding cut. It is an improvement on all the Separators now made. The great objection to all Thrashers and Cleaners, as heretofore made, was their complicated character and liability to get out of order. In this machine all these defects are remedied. It is simple in its construction, reliable in its working, and will not get out of order. Six mules give it power, and it takes but few hands to attend to it. As compared with Pitt's or Russell's style of machines, it saves ten pulleys, ten bearings, seven belts, as well as the revolving apron; as compared with other Separators now in use, and have been in use in this State and Virginia for several years, it saves four pulleys, four bearings, two belts and a set of rakes. No Thrashing Machine ever introduced has so fully met the wants of the farmer, and in every contest with the most approved Separators from the North and West our machine has been awarded the premium for simplicity of construction, ease of draught, clean and rapid thrashing. With little power applied, they are without a rival. We make these machines of two sizes, one 22-inch drum or cylinder, and 34-inch Straw Carrier, which has capacity in good wheat of 200 bushels per day; the other size is 28-inch cylinder and 34-inch Straw Carrier, capacity 300 bushels per day of ten hours. We recommend the 28-inch cylinder Thrasher as the best and cheapest, capacity considered. We mount all of the above Thrashers on two wheels, so that they can be hauled by one or two horses from place to place, or from one farm to the other, by being attached to a dray, cart, or the front running gear of a farm wagon. The prices quoted include the truck:

22-inch Thrasher and Separator, price \$210.

28-inch " " " " " 260.

We warrant these machines to give satisfaction and do good work.

Sinclair & Co.'s Spur-Gear Power.

This is probably the oldest, and at the same time one of the best Stationary Horse Powers, for farm use, in the country. It is simple, strong and durable, and will last, with ordinary care, from sixteen to twenty years, in constant use. Most of the farmers of the Eastern and Western Shores of Maryland and Virginia are familiar with this Power for the last thirty-five years, and all speak of it still in terms of praise, many of them preferring it to more modern invented machines.

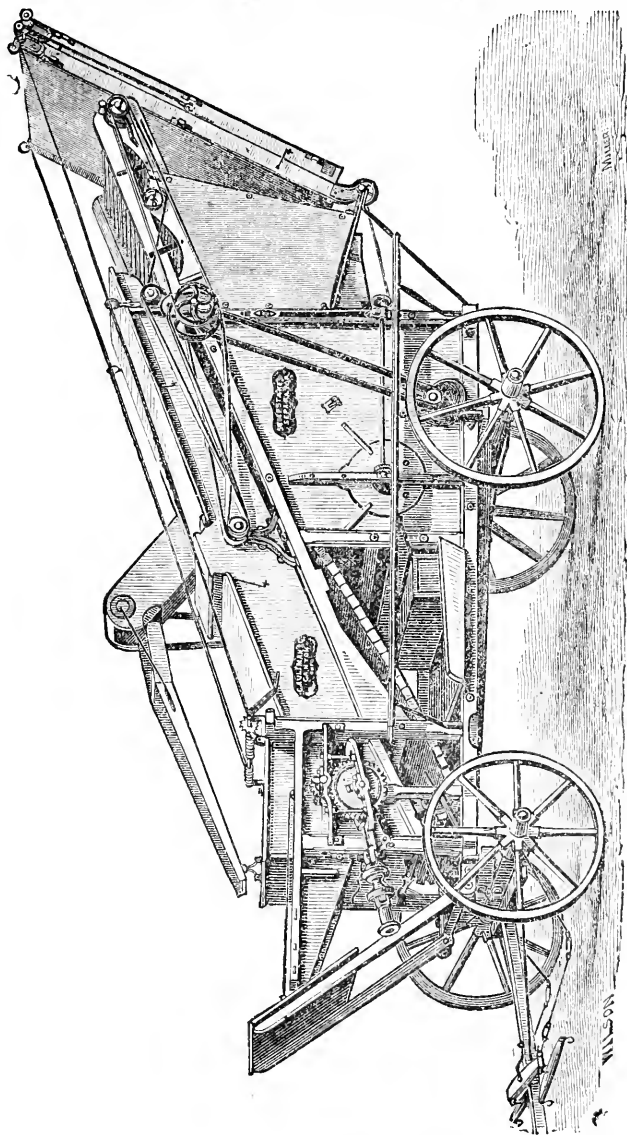
We make three sizes, complete with extra gearing, viz:

No. 1—Four-Horse Power, price \$125.

No. 2—Six or Eight Horse Power, price \$175.

No. 3—Ten or Twelve Horse Power, price \$225.

SWEEPSTAKES THRASHER AND SEPARATOR.



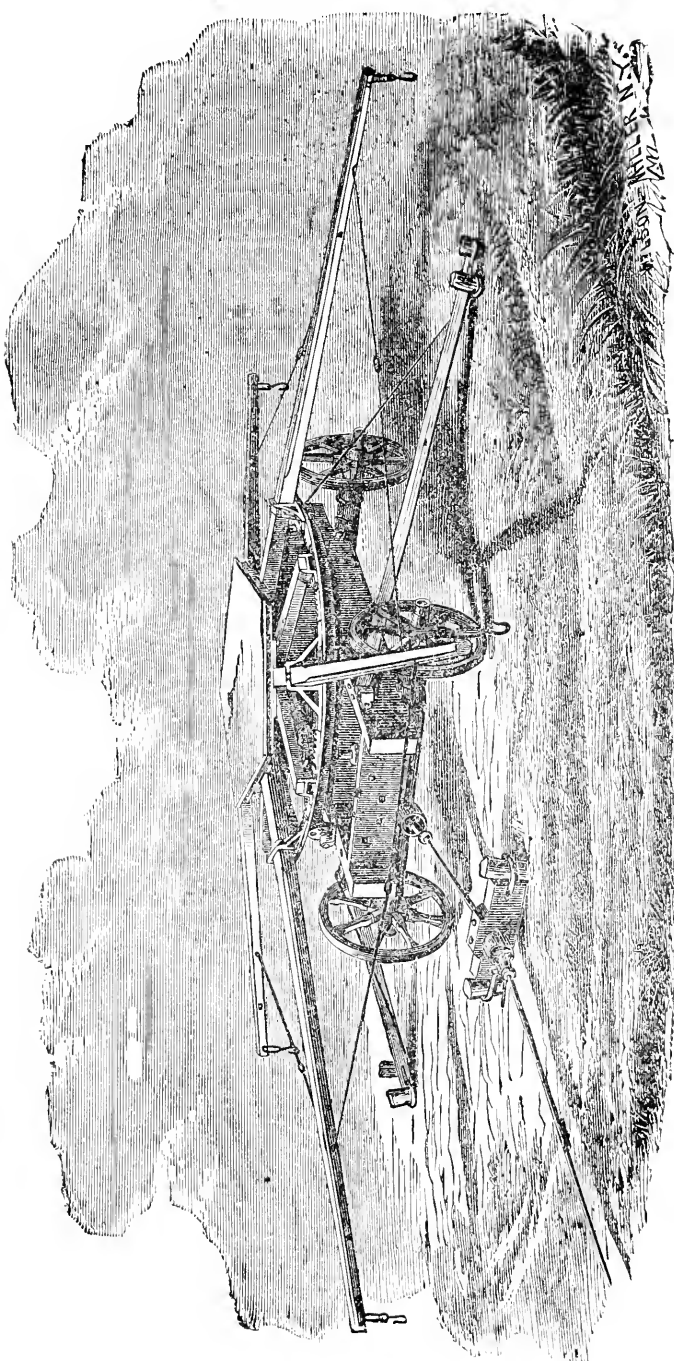
The above cut represents this very popular machine. We keep on hand four (4) sizes, viz :

24-inch Cylinder, 32-inch Carrier, price.....	\$290
30-inch Cylinder, 36-inch Carrier, price.....	315
33-inch Cylinder, 42-inch Carrier, price.....	355
36-inch Cylinder, 45-inch Carrier, price....	380

Truck Wagons with all the necessary fixtures for the above, additional, \$70.

Straw Stackers for the above will be extra, from \$55 to \$75.

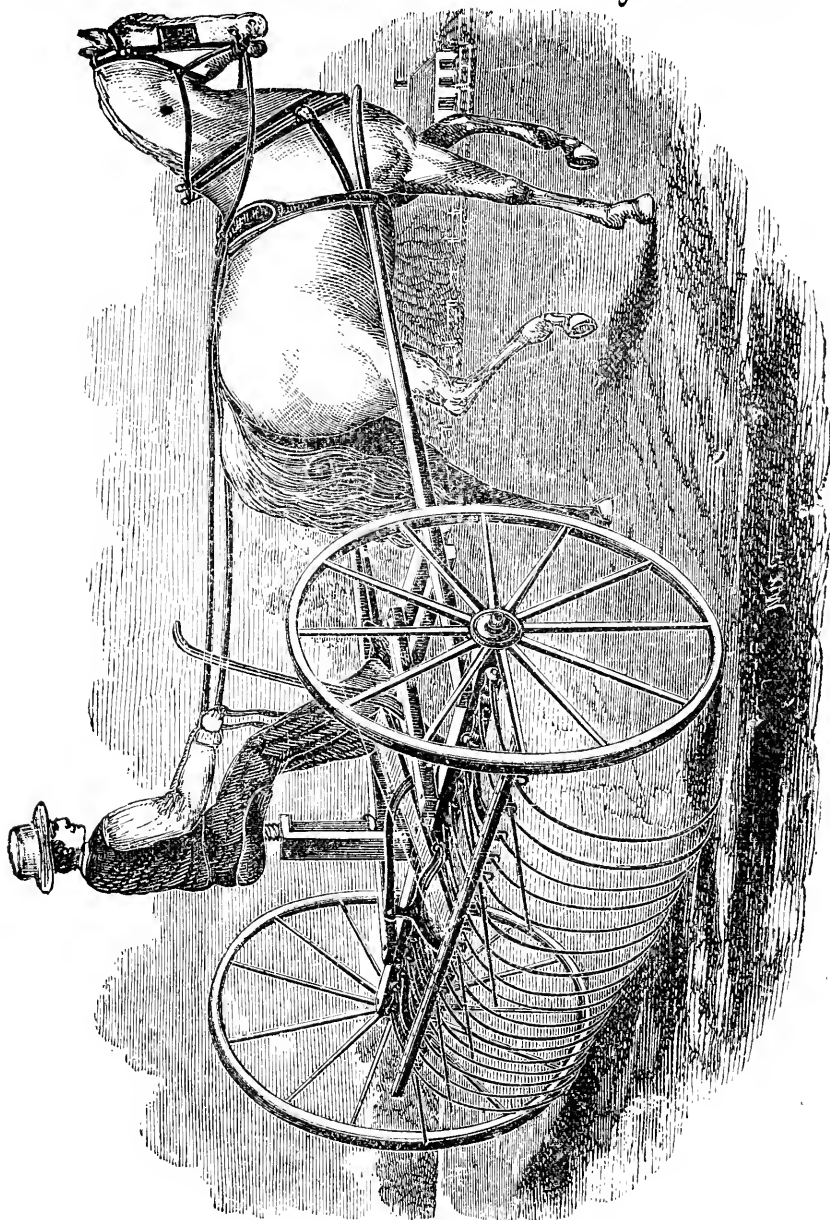
CAREY HORSE POWERS.



We keep on hand all the sizes of this celebrated power, viz :

4 or 6 Horse, with Jack and 2 Tumbling Shafts, price.....	\$160 00	Additional for 10 Horse Power, price.....	\$20 00
4 or 6 Horse, without Jack and 2 Tumbling Shafts, price.....	140 00	Trucks mounted for Powers, price.....	75 00
8 Horse, without Jack and 2 Tumbling Shafts, price.....	165 00	(Ground Jack, price.....	28 00
8 Horse, with Jack and 2 Tumbling Shafts, price.....	185 00	Each additional Tumbling Shaft, price.....	7 50

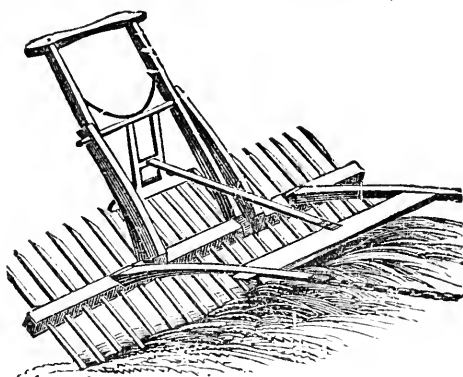
Steel-Tooth Wheel Horse Rake for Hay and Grain.



We keep on hand various patterns and styles of the Sulky Hay and Grain Rakes, any of which we can recommend, viz :

"Maryland" Self-Discharging Rake, price.....	\$50 00
"Ithica" Compound Lever Rake, price.....	42 00
Pennsylvania Rake (Pratt's Patent).....	40 00
" " second quality.....	35 00

REVOLVING HORSE RAKE, FOR HAY.



This Rake is now in extensive use, and to be appreciated needs only to be used by any farmer.

It is no exaggeration to say that a man and horse will perform, in the most perfect manner, with this implement, as much work as ten or twelve men with Hand Rakes.

For Raking Hay it is considered equal to any Rake made.

Our own manufacture is made of first quality of white ash timber, and made in the most substantial manner.

Sinclair & Co.'s make, 18 teeth, price \$14.

Eastern make, 16 to 18 teeth, from \$9 to \$12.

BICKFORD & HUFFMANN

Farmers' Favorite Improved Grain and Guano Drill.



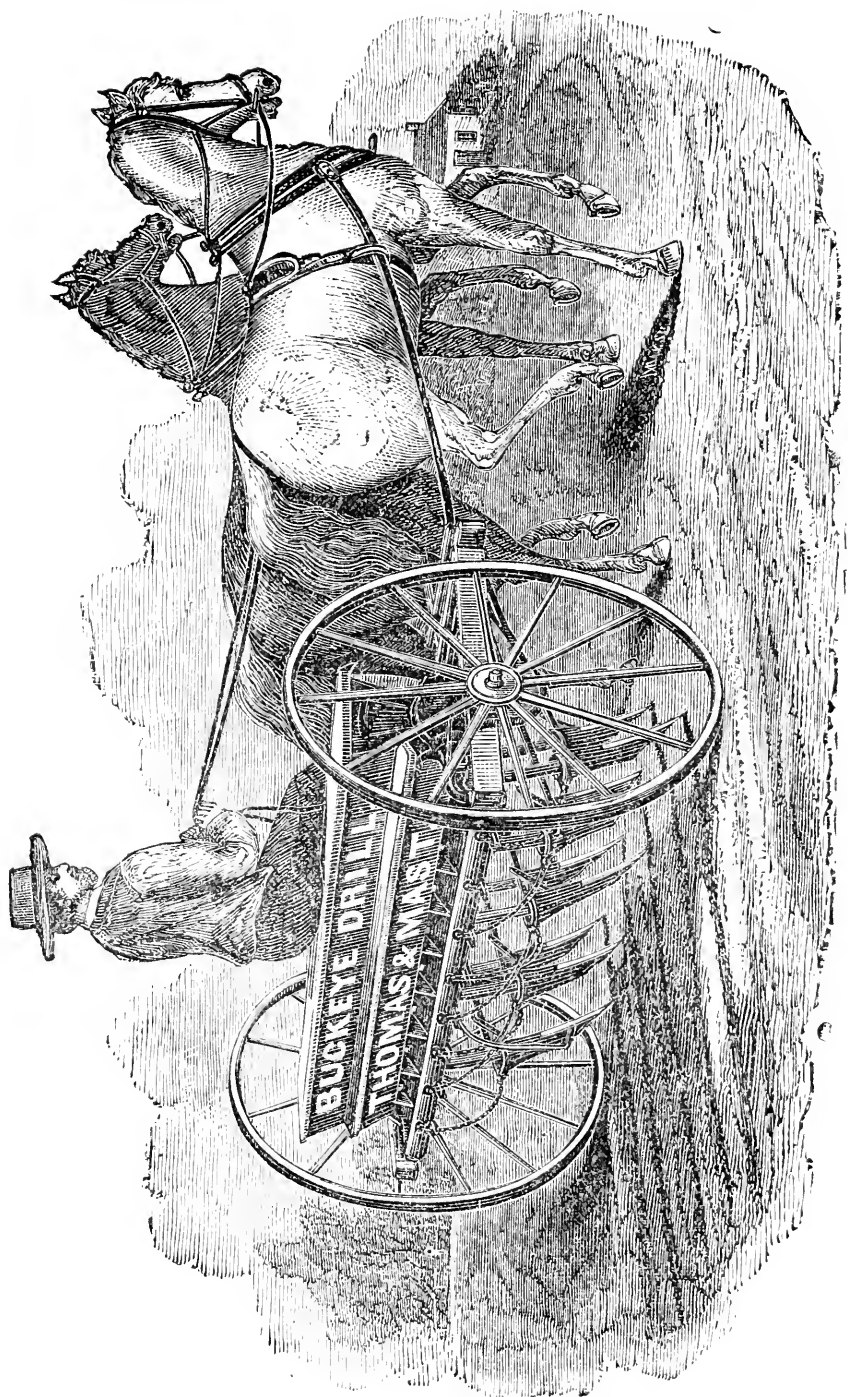
This Drill has become so important an implement to farmers that but little need be said of it. We have sold them for many years, and it appears that each successive year the sales increase for them. The Improved Drill stands at the head of the list of Drills. In the Improved Drill there is a

device by which the Drill can be changed in a second from a double row to a single row, or *vice versa*, by means of a lever in the rear of the machine, and this is all done without stopping the motion of the horses.

	Price.
9-Tube Improved Drill, with Guano Attachment, - - -	\$125
9-Tube Improved Drill, plain, - - -	90
8-Tube Improved Drill, with Guano Attachment, - - -	120
8-Tube Improved Drill, plain, - - -	85
7-Tube Improved Drill, with Guano Attachment, - - -	115
7-Tube Improved Drill, plain, - - -	80

Grass Seeders to any of the above, \$10 additional.

Spring Tube Drills, \$10 additional.



Buckeye Wheat and Guano Drill.

This Drill is considered to be, by judges in the West, the best drill made. We have sold several of them to our most practical farmers for some three or four years, who pronounce them equal, if not superior, to any drill they ever used. The price is below most other popular drills, as we sell them complete, with Grass Seeder, for the same price that other drills are without grass seeders. Sizes and prices, as follows :

9-Tube Drill, Break Pin, complete, price	-	-	\$135
9-Tube Drill, Gum Spring Hoe, complete, price	-	-	145
8-Tube Drill, Gum Spring Hoe, complete, price	-	-	135
8-Tube Drill, Break Pin, complete, price	-	-	125

WAGONER'S WHEAT AND GUANO DRILL.

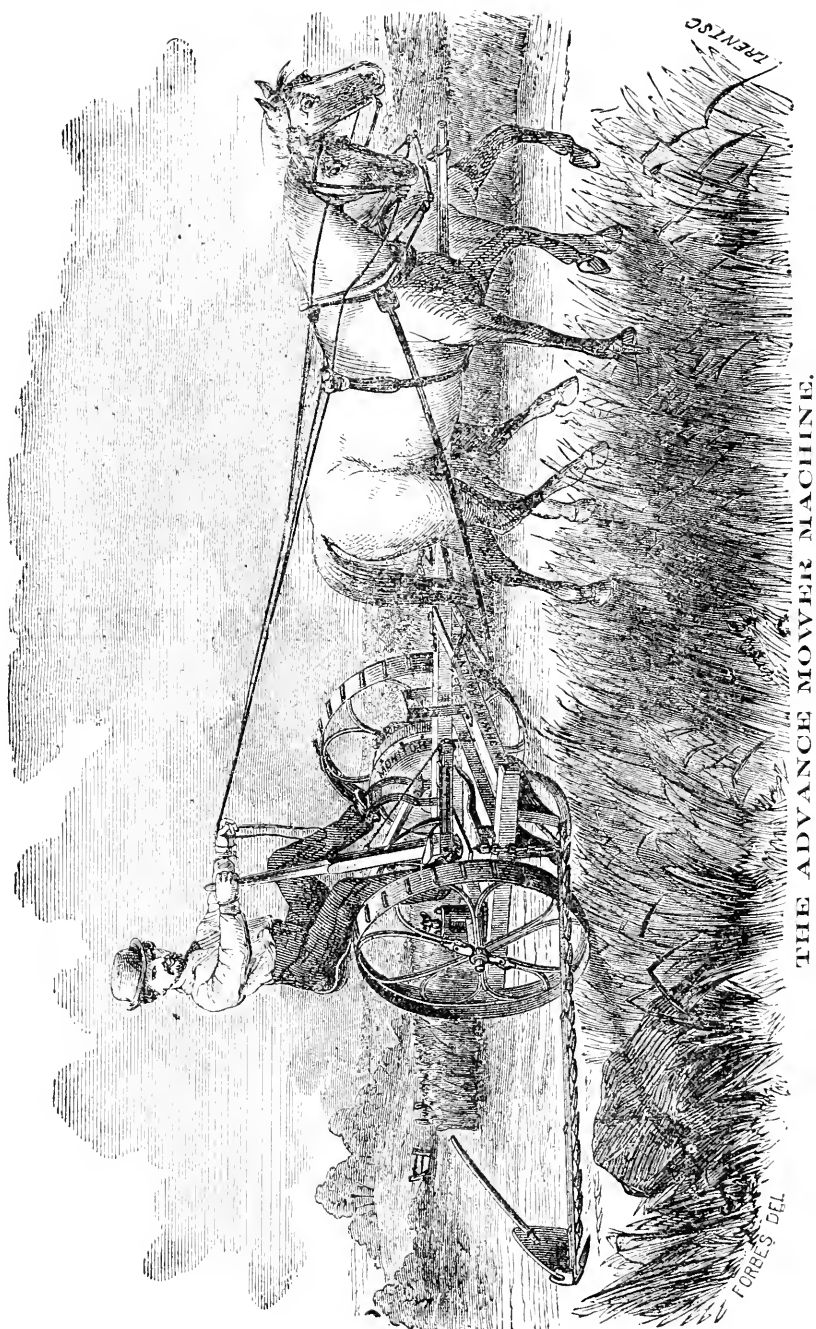


This Drill is very popular in most sections of Maryland and Virginia. It is strong and substantially made, and distributes the grain and fertilizers with great regularity and evenness.

8-Tube Drill with Guano attachment, price - - - \$115

Grass Seed attachment to the above, additional, \$5.

Gum Spring to Drag Bar, additional, \$10.



THE ADVANCE MOWER MACHINE.

The Advance Mower Machine.

This is a machine with two independent Driving Wheels, free of Gear. The Frame is made of one *Solid Piece of Iron*, has *Steel Shafts*, with a simple and powerful *Gear*, located directly in the centre of the frame, and under the driver's seat, to keep it free from *dirt* or *sand*, and so constructed that all parts can be removed from the *Main Frame*, for the purpose of cleaning or repairing, without unscrewing a bolt.

The Tongue, or Draft Pole, is so arranged in relation to the *Frame* and *Finger-Bar* as to entirely obviate side-draft, and prevent any weight upon the horses' necks; also to prevent any unnecessary pressure of the *Finger-Bar* upon the ground. The *Finger-Bar* is hinged *directly* to the *Pole*, by means of *Wrought Iron* supports, in such manner that any strain, created by meeting with an obstruction, is directly communicated to the *Draft Pole*, instead of the *Main Frame* and *Working Parts*. By this new arrangement we not only obviate the liability of breaking the working parts of the machine, but by drawing directly from the shoe of the *Finger-Bar* we obtain a much lighter draft. It is completely under the control of the driver; he can raise up either end independent of the other, or both ends together; can cut over an obstruction three feet high, and by means of a lever he can fold the bar to pass a tree, or transport the machine, without leaving his seat or stopping his team.

The Hinge of the *Cutter-Bar* is so arranged in relation to the *Cutters* and *Guards*, that should the latter strike a rock or stone it will pass over it without injury to the machine, or even the necessity of raising them from the ground.

The *Points* of the *Cutters* and *Guards* can be elevated or depressed to cut lodged or standing grass on rough or smooth bottom. This is effected by an extremely simple device, which adds nothing to the complication of the machine or its cost. It is perfectly adjustable to cut any required height from the ground, either by steel runners under each end of *Finger-Bar*, or by a pawl and ratchet on the lever, by which you can cut over very rough, stony land, or bog meadow.

We would invite every Farmer about to purchase a First-Class Mower to lay aside every preference he may have in favor of any other machine now in the market, and first give this a thorough examination and trial, believing this to be as *FAR AHEAD OF ANY OTHER TWO-WHEELED MOWERS* as they are ahead of the *old style one-wheeled horse-killers*.

Below we give the different Sizes and their Prices :

Mowers, 4-feet 9-inch Cut, price	\$130 00
Mowers, 4 feet 6-inch Cut, price	125 00
Mowers, 4-feet 3-inch Cut, price	120 00
Mowers, 4-feet Cut, price.....	115 00

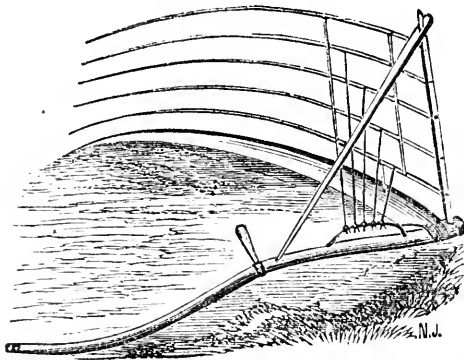
For further information, send for Descriptive Catalogue.

Besides the above-named machines, we can supply the "Kirby" Reaper, with the *Baltimore Self-Rake*. Also the "Kirby" Mowers, of which we have several sizes.

We also keep the different sizes of the "*Champion*" *Reapers and Mowers*. This is a very popular machine, and one that is guaranteed to give entire satisfaction. We have sold quite a number of them in the last few years, and from our experience we can recommend them with confidence to our customers.

SINCLAIR'S SOUTHERN PATTERN

Iron-Brace Grain Cradle with Scythe.



This style of Grain Cradle has been manufactured by us for over thirty years, during which time they have been greatly preferred to all other styles of Cradles.

The Scythes are the best American cast steel, made by the Beardsley Scythe Company and the Dunn Edge Tool Company. The Snaathe and

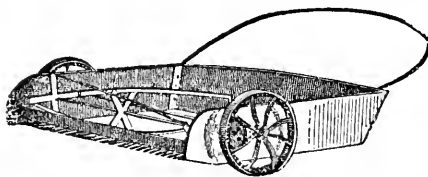
Fingers are made from the best white ash, and the Cradle complete is made in the highest style of finish, by experienced workmen, some of whom have been making Cradles for us for over thirty-five years.

PRICES.

6-Finger Iron Brace.....	\$5 25
5-Finger " "	5 00
4-Finger " "	4 75

CLOVER SEED GATHERER.

This Machine has taken over Thirty First-Class Premiums.

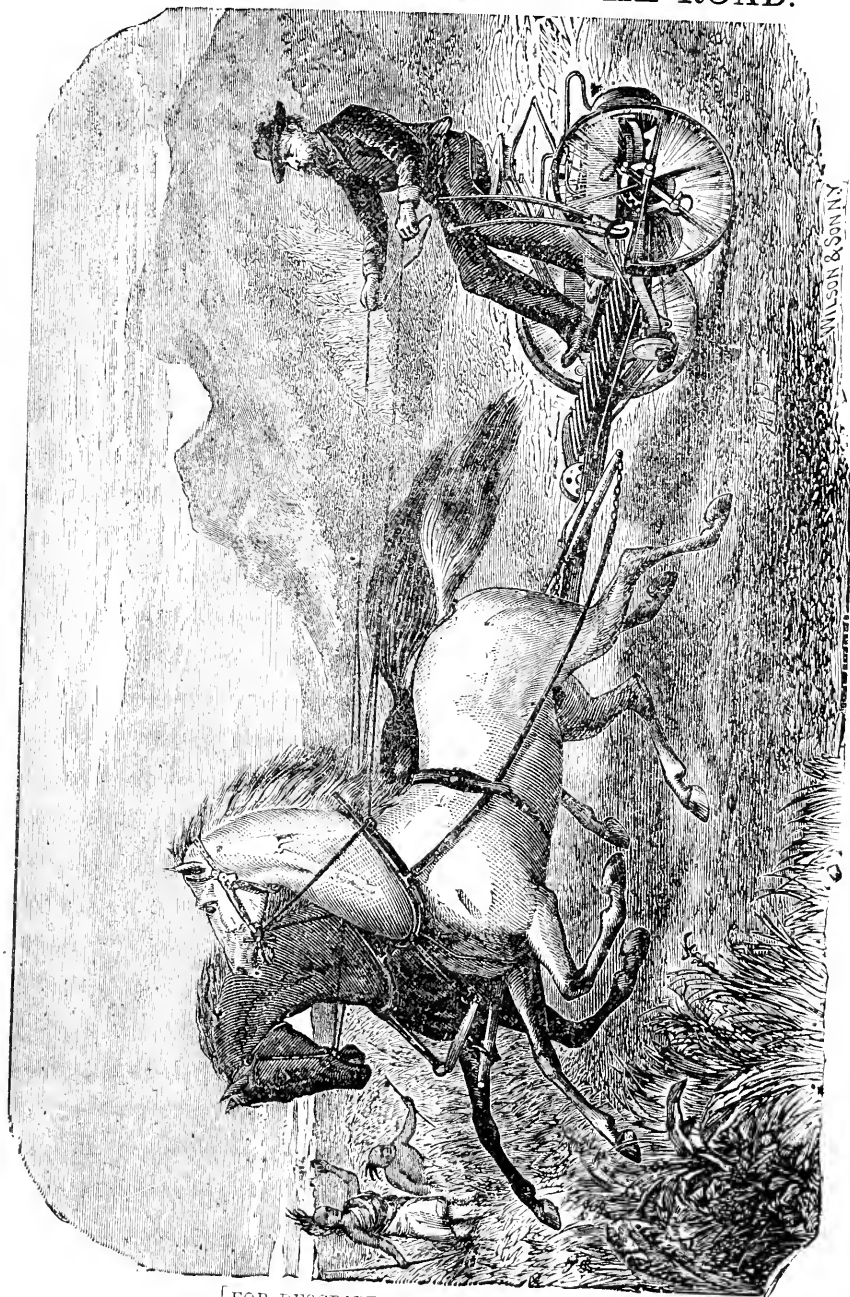


We would call the attention of farmers who raise clover seed to this invaluable machine for stripping the heads from the standing clover. By this machine the

seed can be saved in the best possible manner, besides leaving the hay standing in the best condition for cutting with a scythe or mowing. It is strong and durable, and easily worked with a common hand as a plow. One light horse or mule can work it with ease. The fingers or guards are made of the best malleable iron; the knives (four) are made of the best cast steel, ground to a sharp edge. The machine is much improved from former years, and we can recommend it to every raiser of clover seed.

Price \$45.00

BUCKEYE MOWER ON THE ROAD.



[FOR DESCRIPTION, SEE NEXT PAGE.]

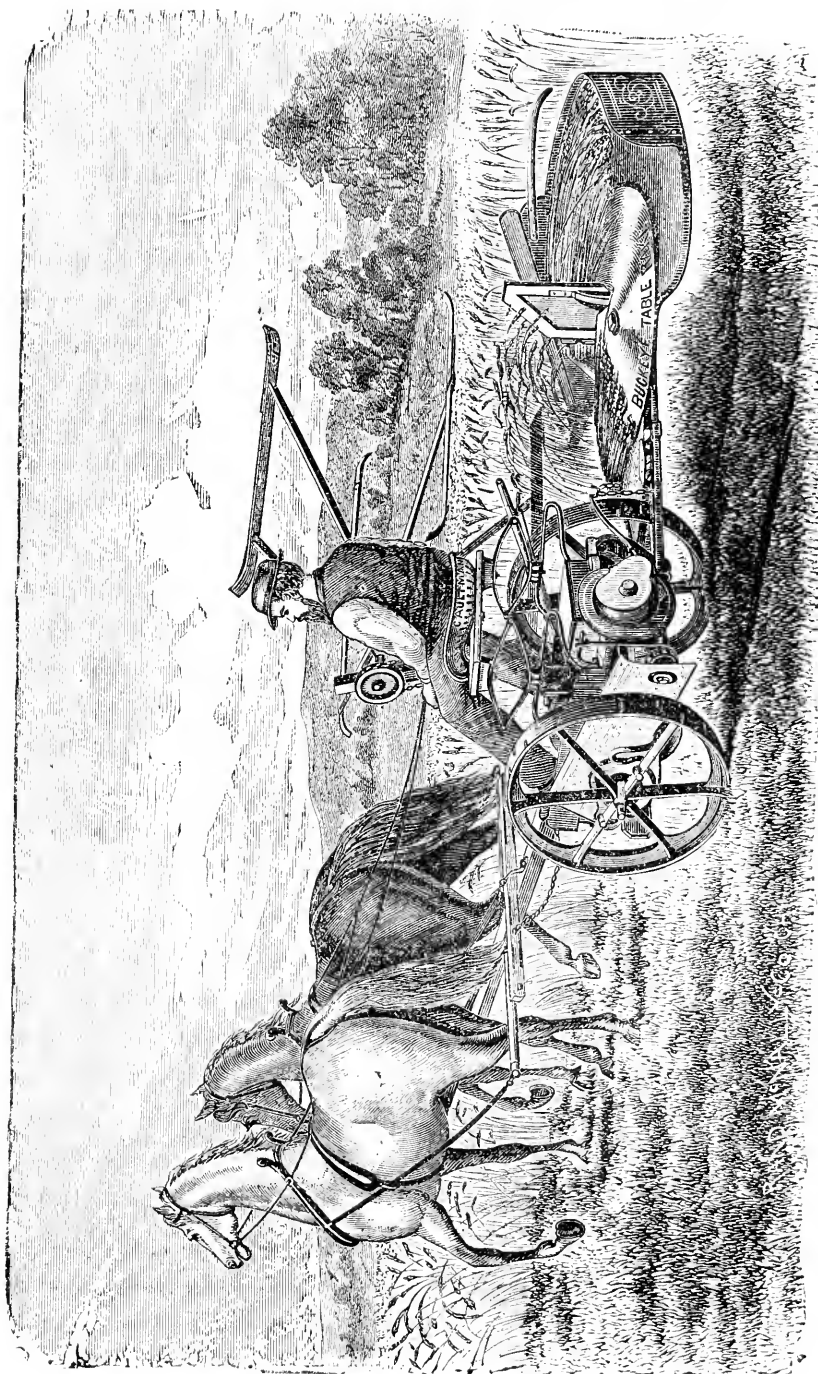
BUCKEYE

Mowing and Reaping Machines.

We keep on hand all the different sizes and kinds of this celebrated machine. The machine has been much improved in the last few years, and now stands equal to any machine of the kind in the country. It is well and substantially built, and out of the best materials. The following are the different kinds, sizes, &c., with prices attached, viz :

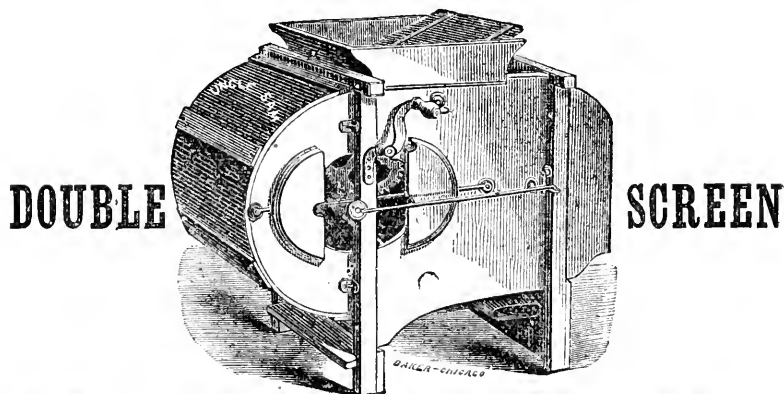
	PRICE.
Junior Mowers, - - - - -	\$116 50
Senior Mowers, - - - - -	136 50
Junior Mower, combined with Dropper, - - -	167 00
Junior Dropper, without Mower attachment, - -	143 50
Senior Mower, combined with Dropper, - - -	188 00
Senior Dropper, without Mowing attachment, -	161 50
Junior Mower, combined with Buckeye Self-Rake, -	188 00
Senior Mower, combined with Buckeye Self-Rake, -	208 00
Junior Mower, combined with Revolving Dropper, -	166 50
Senior Mower, combined with Revolving Dropper, -	188 00
Junior Mower, with Miller's Table Rake, - - -	188 00
Junior Miller's Table Rake, without Mowing attachment,	164 00
Senior Mower, with Miller's Table Rake, - - -	208 00
Senior Miller's Table Rake, without Mowing attachment,	182 00
Dropping Attachment, - - - - -	53 00
Self-Rake Attachment, - - - - -	74 00

For cut of Reapers, with Dropper attachment and Self-Rake, send for Circulars on same.



SENIOR MOWER, COMBINED WITH "MILLER'S" TABLE RAKE.

SINCLAIR & CO.'S IMPROVED

**Wheat, Corn and Oat Fan Mill.**

The Wheat Fan is one of the most useful, as well as the most necessary machine on the farm. Every Farmer, however small his crop of grain, finds frequent use for it in cleaning Wheat, Corn, Oats, Seeds, &c. Its use will pay any farmer five times the price paid for it, in cleaning his grain properly for market, in less than three years.

We don't claim that we have the best Fan Mill in the world, but we do claim that we have a Fan that will clean as well, take out of wheat as much cockle, cheat, garlick, and filth, as any Fan made or sold in this country, besides claiming that our Fan is made of better materials, better workmanship, is stronger, more durable, and better suited to large and small plantations, than any Fan Mill in the country.

We make three different sizes, the prices of which we give below :

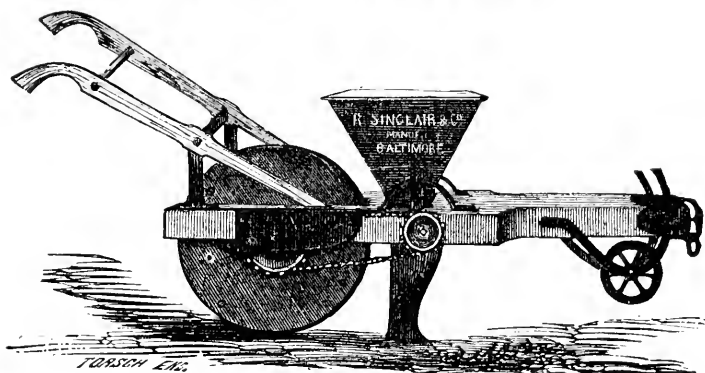
No. 3 Fan—Largest size.....	Price, \$44.00
“ 2 “ —Second size.....	“ 42.00
“ 1 “ —Third size.....	“ 40.00

The above prices are reduced to suit the times.

We also sell the Celebrated VAN WICKLE FAN, much used by our Farmers in Maryland and Delaware :

Only one size madePrice, \$36.00

We can furnish any other kind or quality of Fan made in the country, that our customers desire, at short notice, and at manufacturers' prices.

SINCLAIR & CO'S**Improved Corn Planter.**

The above cut gives a correct view of our improved Corn Planter and Seed Drill, which will be found the very best machine of the kind ever offered to the farming public.

With a man and horse, or small mule, from 10 to 12 acres per day can be planted, covered and rolled complete.

This machine is very popular in Virginia, North and South Carolina, Georgia and other Southern States; and of late years our Maryland farmers, seeing the advantages of drilled corn over the old-style checkered plan, have eagerly taken hold of the drill. To all of whom we can refer for their experience in drilling corn.

This machine is long and favorably known, we having been making from 150 to 250 machines per annum for the last sixteen years.

In the saving of labor alone, (without saying anything of the saving of seed,) it will pay for itself in less than two years for any farmer who plants 40 acres corn per annum.

For simplicity, durability, ease of draught and easy management, it has no equal in this country.

PRICE, - - - - - \$30.

The machine can be regulated to plant the corn any distance apart in the drill—say 6, 12, 18, 24, 32 inches apart.

This machine has taken over twenty first-class premiums in the last eight years.

For particulars send for Circular.

BUCKEYE SULKY CORN, COTTON AND TOBACCO CULTIVATOR.



This Machine not only saves the labor of one man, but performs the work much better than the old way of plowing with the "single" or "double shovel" plows; and it enables the aged and infirm to raise a crop of corn, who would not be able to endure the labor of walking after the plow in the old way.

It is no longer a question whether a Riding Cultivator is a practical machine; the question now is, which is the best? That is, which does the best work? Which

is the most easily managed? Which is the most durable? Which is the most easily repaired? In short, which is the most practical?

There is a variety of good Riding Plows in use, but we claim for the Buckeye many important points superior to any Sulky Corn Cultivator now in use.

The principle of plowing corn with this machine is that of the "Double Shovel," which is admitted by practical Corn growers to be the best.

Crooked rows can be plowed as well as straight ones; it being so arranged that the operator can, at will, move at once all four of the shovels eleven inches either way, without lifting them, and thus avoid tearing up hills that are out of line. The movement is made with the feet upon the beam when the operator is riding, as shown in the small cut, (next page,) and by lever "F" while the operator is walking.

The operator can either ride or walk, and guide the machine without any alteration.

A greater or less width is obtained by changing the bolt in one end of the rod that connects with the swinging bar "G G."

The shovels can be instantly raised out of the ground for the purpose of turning at the ends, and cleaning the plows of trash, and in passing from field to field, by means of the crank "C."

The Plow is provided with shields to protect the young corn from being covered during the first working. These shields can be taken off when the Corn becomes larger.

High Wheels and Axles.

The axles are sufficiently high to pass over Corn, Tobacco or Cotton, the last plowing, without breaking it down.

To Prevent the Plow from Breaking.

It is so arranged that when any of the shovels strike a stump, root, stone, or other hard substance, it will break a wooden pin, in the lower end of the brace, which allows the shovel to turn back, and thus prevent breaking the Plow. This avoids the necessity of making the Plow so heavy that either shovel must stand the force of two horses.

To Regulate the Depth.

Change the pins in the tops of the standards 'AA.'

For Marking Out Corn Ground.

Take off the front shovels and adjust the rear shovels to the width you desire, and you will find it to be just the thing to mark out your ground before planting. It is better adapted for this purpose than any other Plows, for the reason that the operator has control of the side motion of the rear as well as the front shovels.

A Cultivator for Plowing in Wheat.

This machine is well adapted for plowing in Wheat and Grain of all kinds, stirring fallow ground, and stirring fall plowing for Corn and other crops in the Spring. For this purpose there is an extra or fifth Shovel attached in front of the other Shovels.

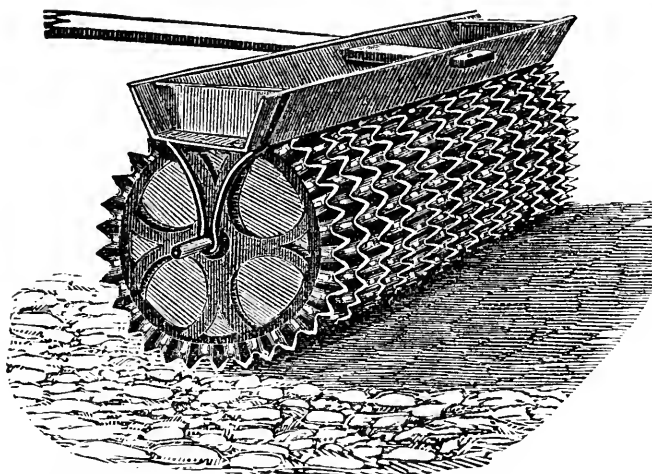
We could give many Certificates attesting the superiority of the Buckeye Corn Cultivator, but it only needs to be seen by any practical farmer to satisfy him that it is just the article he wants. "Certificates" and "Premiums on Implements" are about "played out," for no machine now-a-days is so poor but it can boast of Premiums and Certificates.

We can recommend the Cultivator with confidence to our customers as the best of the kind in use.

PRICES.

With 4 Shovels, for Cultivation.....	price \$50.00
" 5 " " Seeding Grain, &c.....	" 55.00

SINCLAIR & CO.'S SERRATED CLOD CRUSHER ROLLER.



This Machine has taken over Twenty First-Class Premiums.

The above Cut represents the Clod Crusher. Too much cannot be said in its favor.

This machine is very popular in England and France, where it is considered the leading machine on every large farm for the preparation of the land for the respective crops.

No harrow can possibly reduce plowed land to an equal fine state as the Clod Roller; neither is there any implement so valuable for rolling wheat in the spring.

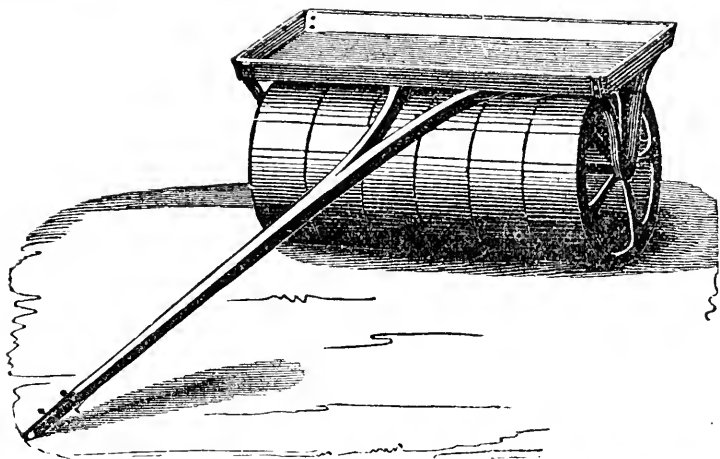
This machine is invaluable on stiff clay lands, which are inclined to run together in the form of clods and hard lumps. It is particularly useful to all our tobacco growers. In the island of Cuba the tobacco growers could not well get along without it.

This machine is highly prized by our practical farmers of Maryland, Virginia, Tennessee, and is used in parts of New York and Pennsylvania. This machine has always received a first-class premium at every State or county agricultural fair at which we have exhibited it. It is such a machine that every large practical farmer should own.

The cut will explain the character of the machine.

Clod Crusher, 5 feet wide, without box, price.....	\$85 00
“ “ “ “ with box, price.....	100 00

There are 12 sections in each roller. The sections are 27 inches in diameter; each section revolves separately and independently on a wrought-iron axle.



IRON SECTION FIELD ROLLER.

The above cut represents and explains the character of this invaluable machine to every farmer.

The Roller is made in sections, 30 inches in diameter and 12 inches on the face. They revolve independently on a wrought-iron axle, and on account of their height are easily worked by the team.

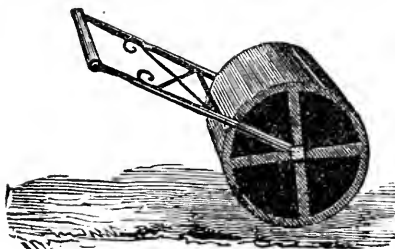
In England no farm is without a roller. It is valuable for setting wheat and grasses in the spring, breaking and pulverizing clods after plowing, binding sand soils, &c.

The sections are of cast iron, and a roller of this kind, when taken care of, lasts a life-time.

We make four field sizes, with and without box, with pole complete.

6	section	Iron	Roller,	with	box,	price.....	\$95 60
6	"	"	"	without	box,	price.....	80 00
5	"	"	"	without	box,	price.....	70 00
5	"	"	"	with	box,	price	85 00
4	"	"	"	with	box,	price	75 00
4	"	"	"	without	box,	price.....	60 00
3	"	"	"	without	box,	price.....	50 00
3	"	"	"	with	box,	price.....	60 00

We also make Rollers any required size. Sections 20 inches diameter at much lower prices than the above.

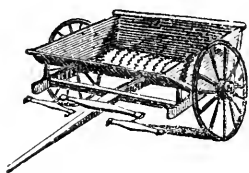


GARDEN ROLLERS.

2	Sections,	12 in. face,	30 in. dia.	\$28.00
1	Section,	12 in. face,	30 in. dia.	18.00
1	Section,	12 in. face,	20 in. dia.	13.00
2	Sections,	12 in. face,	20 in. dia.	20.00

SINCLAIR & CO.'S

IMPROVED LIME SPREADER.



The accompanying cut shows, at a glance, the character of this great labor-saving machine. This machine is substantially made. The cylinder is made of cast iron, in the ends of which are fitted double-bearing cast iron heads, through which a solid two-inch wrought iron axle passes, making it the strongest arrangement for the purpose ever invented.

The surface of the cylinder is studded with small knobs or breakers, which run in cylindrical spiral lines along the surface of the cylinder; these spiral knobs pass through a comb of teeth or eogs placed one on each side the bottom of the hopper, the action of which breaks and pulverizes all hard substances to a fine state.

The machine will distribute all kinds of Lime, either stone or oyster-shell, in the most perfect manner. It will save twice its cost, in way of labor, in two years to any farmer who uses any quantity of Lime.

Price, \$120.00.

We are getting up patterns for a smaller size than the above, which we think we can sell for about, say—\$90.00.

BATCHELDER CORN PLANTER.

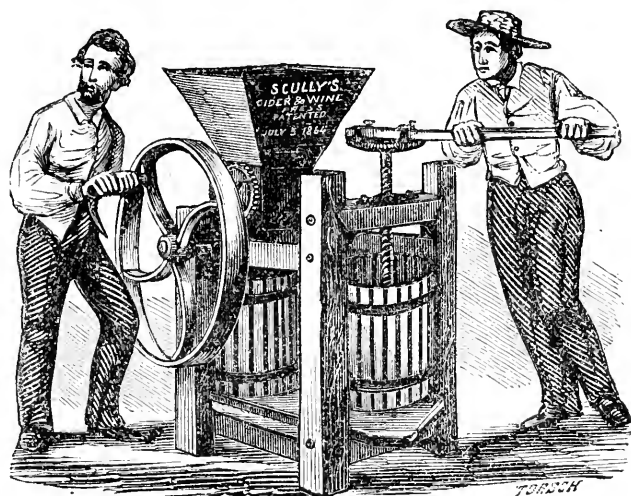
This is considered a very good and reliable Planter, and is very popular in some sections. It is easily managed, very simple, and not likely to get out of order.

Price, \$25.00.

SCULLY'S

PATENT PORTABLE

CIDER AND WINE MILL AND PRESS COMBINED.

*Patented July 5th, 1864.*

The cut shows very plainly the construction of this Mill and Press.

It is now only in its tenth year since the date of the Patent, and we venture to say, without the fear of contradiction, that there is no Mill in the country that has received as much patronage as the above named Mill in the same time. We made several hundreds of these Mills last year, and could have sold many more were we able to manufacture in time. The demand increases for them every year, and we are safe in saying that they are considered by all who have used them the best Mill in the country. A good sized boy *can work it with ease*, and grind from 20 to 30 bushels apples per hour. It is the *simplest Mill in use*, and the only one that *will grind grapes without breaking the seed*.

It possesses great advantages over the old style Mills now in use, and needs only a trial to satisfy any one that it will perform all that it is recommended to do.

The following are some of its principal features :

1st. It has a rotary iron knife cylinder which works between a stationary row of knives in the side of the hopper, by which the apples are cut into small pieces.

2d. It has two iron crushing rollers, with angular flutes, which receive the cut apples from the cutting knife cylinder, by which they are effectually crushed to a pumice. The cutting and crushing process in this Mill is its greatest point of excellence over all other Mills that merely grate the apples.

3d. It will do more work in a given time, with less power, than any Mill now in use; grinding finer and more uniformly.

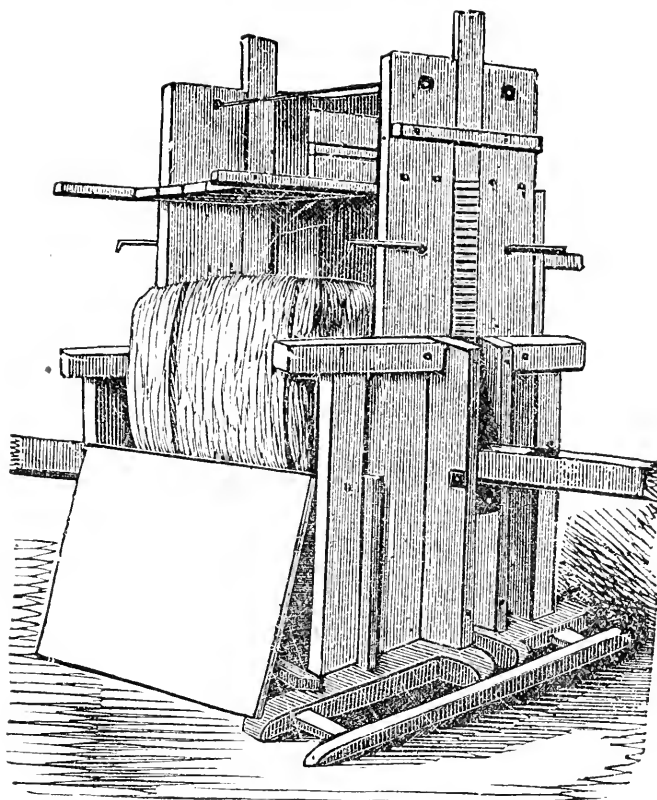
4th. It is a Wine as well as a Cider Mill, and in fact the only one we know of that will properly grind Grapes without breaking the *seed*. For simplicity, compactness, strength, economy of power and quality of work performed, *challenges comparison*. It is at once "the Machine" so greatly needed, and should be owned by every *farmer, gardener and fruit grower* in the country.

There are many thousands of these Mills now in use in Maryland, Virginia, and North Carolina, all of which have given entire satisfaction to our customers.

We make two sizes of the above Mill. The large size is intended to be run either by hand or power, and is of large capacity. The small size is for hand power, and is suitable for farmers and others who only make a moderate quantity of Cider and Wine. This size, however, can be run by power, and when run to its full capacity will make a large quantity per day.

We can recommend the above Mill as one of the best in the country.

Large size Mill, No. 1, price.....	\$45.00
Small size Mill, No. 2, price.....	35.00



PORTABLE HAY PRESS.

The above cut represents our Hand Portable Press. We make two kinds, the Lever Ratchet Press and the Chain and Roller Press. The Lever Press has been in use many years, and has always given satisfaction; it is easily worked by two men; it is strong and durable, and not easily got out of order, there being very little iron in its construction, being principally made of the best white ash.

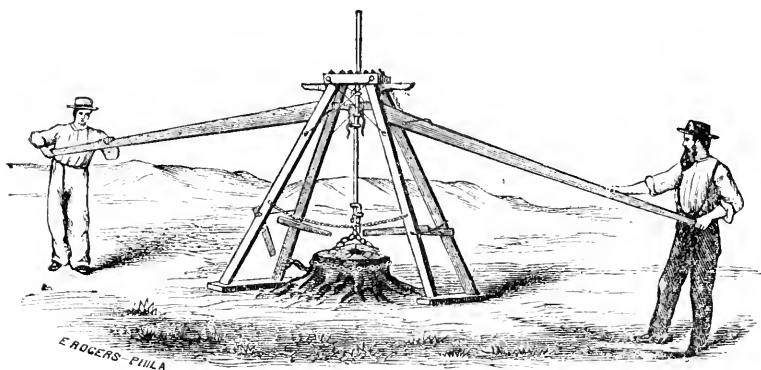
The Chain and Roller Press is also a hand power press; is easily worked by two men; is made very substantial, and is preferred to the Ratchet Press by many of our customers.

For strength, durability, simplicity and ease of management, we can recommend them to our friends and customers.

PRICES:

Lever Ratchet Press, No. 5, weight of Bale from 275 to 300 pounds.....	\$135.00
“ “ No. 4, “ “ “ 225 to 250 “	125.00
“ “ No. 3, “ “ “ 100 to 125 “	100.00
Wakeman, Chain and Roller Press.....	150.00

Pioneer or Pressey Stump Puller.



The manufacturers recommend this machine as invaluable to any one having many stumps on his land. An immense power is obtained, and it will pull stumps that no one would think it capable of, did they not see it work.

Price—No. 1, worked by 4 men, raising 50,000 lbs., weighs 450 lbs....	\$100
2, “ 3 “ “ 35,000 “ “ 300 “	80
3, “ 2 “ “ 25,000 “ “ 250 “	60

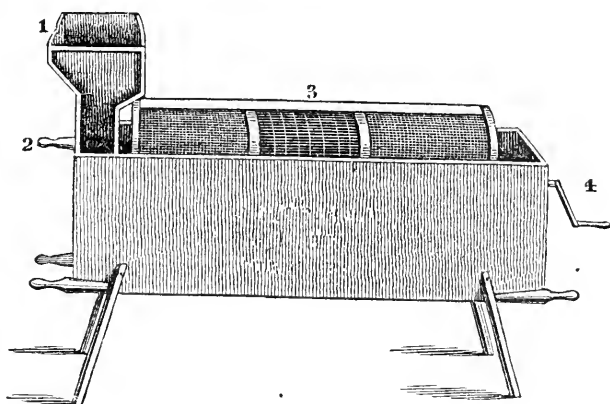
DIRECTIONS.

FOR SETTING UP THE MACHINE.—Screw the joint bolts tight, swing the braces to place and fasten them. Put the long small link over the two hanging lever links, and fasten the lever in place; then place the paul with a long round handle in the shortest centre link, and the one with the next longest handle in the outer lever. Then slide the lifting bar through them all, and the machine is ready for work.

TO USE THE HOOKS.—Set them across the stump as low as possible, and while one man draws them tight with one lever, the other drives them fast with a wooden bottle. When this is done, both men work on the levers. For small stumps use

three-quarter inch cable chain with a ring on one end. Slip-noose the chain around the stump and draw it fast; then let down the lifting bar by pressing the paul handles to the bar; then set the chain link next the ring edgewise in the lock.

If the machine spreads on soft or wet ground, two planks five or six feet long and twelve inches wide, connected at the ends by chains or rods, should be placed under the feet; or, if the ground is not very wet the planks will do without chains if two pins are in the plank at the outside edge of the feet, which should be on the inside of the plank.



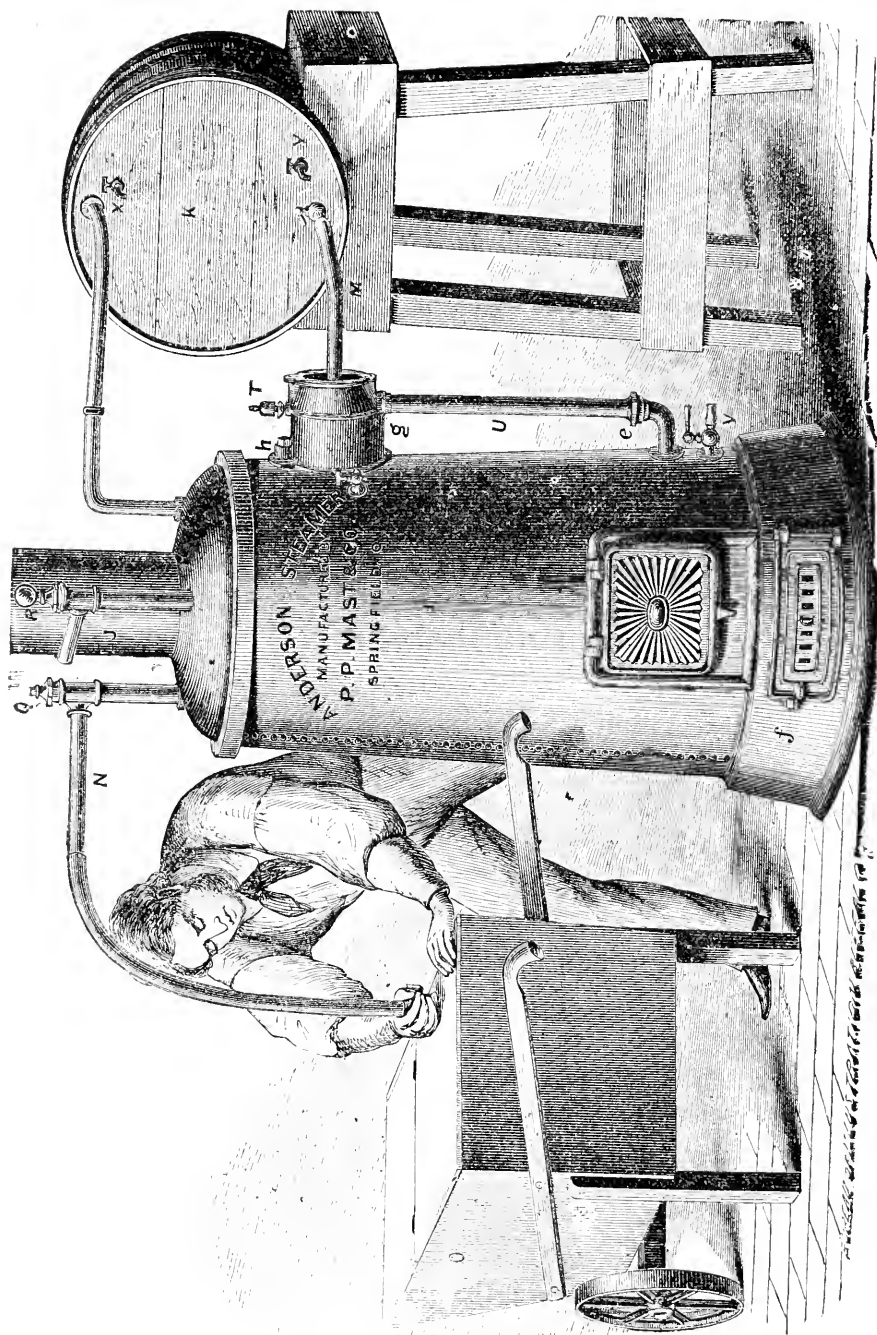
SINCLAIR'S REVOLVING WHEAT SCREEN,

For Preparing Wheat for Seed.

The above cut represents the construction of the Revolving Screen, an invaluable machine to the farmer and grain merchant for separating cheat, cockle, darnell and other filth from wheat, putting it in nice condition for seed.

With this machine a man and a boy will screen from 100 to 150 bushels in ten hours.

This machine should be in the possession of every good farmer. Price \$25.



ANDERSON'S AGRICULTURAL STEAMER.

ANDERSON'S AGRICULTURAL STEAMERS.

Patented Feb. 11th, 1868; Oct. 13th, 1868; May 31st, 1870.

Manufactured by P. P. MAST & CO., Springfield, Ohio.

SINCLAIR & CO., SOLE AGENTS FOR BALTIMORE.

This Steamer is designed to steam food for stock. It is certainly the best, simplest, and most efficient Steamer made in the United States. It is perfectly safe, as there is no possibility of it blowing up. A boy ten years of age can manage it. It will generate more steam with less fuel than any other Steamer we know of. Every Dairyman, Stock-Feeder, and Cheese Factory in the country should use "*Anderson's*" Steamer. We can, if necessary, furnish certificates from parties to whom we sold them last season.

The following are the sizes and prices in Baltimore:

	No. 1.	No. 2.	No. 3.	No. 4.
Price.....	\$84.00	\$125.00	\$155.00	\$210.00

STEAMING FEED FOR STOCK.

We find in the United States Agricultural Report for 1865, an article on STEAMING FOOD FOR STOCK, from the pen of Mr. E. W. Stewart, of New York, wherein he gives, as the result of several years' experience, the following summary:

First. It renders mouldy hay, straw and corn-stalks perfectly sweet and palatable. Animals seem to relish straw taken from a stack which has been wet and badly damaged for ordinary use, and even in any condition except "dry-rot." *Steaming will restore its sweetness.* When keeping a large stock, we have often purchased stacks of straw which would have been worthless for feeding in the ordinary way, and have been able to detect no difference *after steaming*, in the smell, or relish with which it was eaten.

Second. It diffuses the odor of the bran, corn-meal, oil-meal, carrots, or whatever is mixed with the food through the whole mass, and thus it may cheaply be flavored to suit the animal.

Third. It softens the tough fibre of the dry corn-stalk, rye straw, and other hard material, rendering it almost like green succulent food, and easily masticated and digested by the animal.

Fourth. It renders Beans and Peas agreeable food for horses, as well as other animals, and thus enables the feeder to combine more nitrogenous food in the diet of his animals.

Fifth. It enables the feeder to turn everything raised into food for his stock without lessening the value of his manure. Indeed, the manure from steamed food decomposes more rapidly, and is, therefore, more valuable than when used in a fresh state. Manure made from steamed food is always ready for use, and is regarded by those who have used it as much more valuable for the same bulk than that made from uncooked food.

Sixth. We have found it to cure incipient heaves in horses, and horses having a cough for several months, at pastures, have been cured in two weeks on steamed food. It has a remarkable effect upon horses with a sudden cold, and in constipation.

Horses fed upon it seem much less liable to disease, in fact, in this respect it seems to have all the good qualities of grass, the natural food of animals.

Seventh. It produces a marked difference in the appearance of the animal, at once causing the coat to become smooth and of a brighter color, regulates the digestion, makes the animal more contented and satisfied, enables fattening stock to eat their food with less labor, and consequently requires less to keep up the animal heat, giving working animals time to eat all that is necessary for them in the intervals of labor, and this is of much importance, especially with horses. It also enables the feeder to *fatten animals in one-third less time.*

Eighth. It saves at least *one-third of the food.* We have found two bushels of cut and cooked hay to satisfy cows as well as three bushels of uncooked hay, and the manure in the case of the uncooked hay contained much more fibrous matter unneutralized by the animal. This is particularly the case with horses. These have been the general results of our practice, and we presume do not materially differ from that of others who have *given cooked food a fair trial.*

Heretofore the appliances for steaming feed have generally been of a temporary character, (except where feeding has been done on so large a scale as to warrant the outlay for expensive stationary boilers); usually it has been done with kettles or cauldrons with closely fitting covers that have to be removed to refill with water, and to which there are many other objections.

It will at once be seen that to come into general use a boiler should be made that is *perfectly safe, portable, low pressure, with reliable water-feeder*, and have no intricate parts, such as cannot be comprehended by the most inexperienced.

We have no hesitancy in saying that the ANDERSON STEAMER has all these requirements. It is made of wrought iron, as thoroughly riveted and finished as the best high-pressure steam engine boilers; has a reliable automatic or self-acting water-feeding apparatus, safety-valve, vacuum-valve, steam and water gauge cocks complete, making it perfectly secure against explosion.

It is peculiar in construction, being, in fact, one complete double boiler within another, the two communicating, one with the other. The fire-space is inside of this, thus giving an extraordinary amount of fire-surface in proportion to the size, No. 3, or medium size, having 3,853 square inches fire-surface.

It is set on a cast-iron base, making it as secure from fire as an ordinary stove. Weighs from 300 to 500 lbs., and is therefore portable, and can be used in the open air or in any building where there is a flue sufficiently large to receive the smoke-pipe.

Having so large a fire-surface it requires but little fuel, and all the attention necessary is that the water-tank is kept supplied, and the fire kept up. The most inexperienced man or boy can soon learn to use it with perfect safety.

REASONS WHY THE ANDERSON STEAMER IS THE BEST.

1st. It has greater area of Fire-Surface than any other Steamer of the same size.

2d. It will burn either Wood or Coal.

3d. It takes less fuel than any other Steamer of the same capacity.

4th. It will "get up steam" in less time than any other Steamer in the market.

5th. It will cook more feed, or heat more water, in a given time than any other Steamer of the same size and expense.

6th. It has an automatic or self-regulating water-feeder.

7th. It is more durable than any other Steamer, for the reason that it is made of *boiler iron*, and has water all around the *fire-box*.

8th. It is perfectly reliable, and is as safe as a *tea-kettle*.

9th. It is so simple in its construction that a *careful boy* ten years old can operate it with perfect safety.

10th. It will not fill up with lime.

11th. It is more portable, and can be moved to any part of the farm with ease.

12th. It can be applied to a greater variety of purposes than any other Steamer.

13th. It excels any other *Steamer in the world*.

Differences between Cooked and Dry Feed.

WHITEWATER, WIS., July 19, 1871.

SIR:—In reply to your question of what difference I find between feeding raw and cooked feed, I would say, I feed 21 hogs 26 bushels of corn (72 lbs. ears to the bushel), shelled, ground and cooked. It fed them 13 days; they gained 520 pounds, or a trifle less than two pounds per day. I then fed the same hogs 25 bushels of the same kind of corn, ground and soured. It fed them eight days; they gained 260 pounds, or a trifle over one and a half pounds per day. I weighed my hogs in both instances before commencing on each kind of feed, and set it down in my scale-book, and weighed them when each kind was fed out. You may judge I was surprised at the result. In one case I made 20 pounds of pork from 72 pounds of ear corn, in the other ten and a half. My corn cost me 75 cents per bushel, and I sold my hogs for eight cents, live weight. In the one case I got \$1.60 for my corn, in the other I got 83 1-5 cents. After deducting 75 cents—the price of my corn—I have as profit for feeding, in the one case 85 cents, in the other 8 1-5 cents.

It will be seen from the above the gain was not so much difference per day as in the time they gained. In the one case they gained nearly two pounds per day for thirteen days, in the other they gained a trifle over one and a half pounds for but eight days. With pork at eight cents per pound I gained 76 4-5 cents on every bushel I fed by steaming, and I can save enough in 360 bushels to more than pay for a No. 3 Steamer, after paying for extra trouble in cooking it. I have used a CAST-IRON STEAMER for three years. It is better than none; but of little value in comparison to the No. 3 Anderson Steamer which I now have. From actual experience I think there is as much, or more, benefit derived by cooking vegetables, such as potatoes, pumpkins, and the like, as in cooking meal.

I can cheerfully recommend your Steamer to all farmers and feeders, as being just what they want, and something they can not well afford to do without.

Respectfully yours,†

C. M. CLARK.

Saves 40 per Cent. of Grain.

WEST LIBERTY, LOGAN CO., O., Feb. 4, 1871.

MESSRS. P. P. MAST & Co.—Sirs: I have been using one of Anderson's Feed Steamers about two years. It works to my entire satisfaction, cooking the feed quickly and with a small amount of fuel. By feeding my hogs with steamed feed I think I save about 40 per cent. of the grain, besides my hogs thrive much better and

grow much faster than when fed on dry grain. I consider it a valuable machine. It pays, and I would recommend it to all feeders of stock.

Yours truly,

JACOB C. KISER.

Every Farmer Should Have One.

WEST LIBERTY, O., Feb. 8, 1871.

MR. V. D. ANDERSON.—Dear Sir: I have been using one of your Steamers, and I consider it the best thing for cooking feed for stock that I have ever seen. It takes but very little fuel. The cobs from the corn you steam will about keep up the fire. I think steaming is the proper plan for cooking feed. I have cooked in kettles, but it would stick and burn, and much of the feed was wasted, besides it took at least four times as much wood and time as your Steamer, to cook the same quantity. Experience has proved to me that cooking feed for stock will save at least one-third of the grain, and the stock will be much healthier and grow much faster. Every farmer should have one of these Steamers.

Very truly yours,

JOHN NEWELL.

From a Butcher.

AURORA, ILL., 1870.

I used the Steamer I purchased from you—"Anderson's Universal," No. 3—about my butchering, heating my water and boiling the offals of the shop. I kill from 12 to 14 head of cattle per week, 6 to 12 hogs, and 20 sheep and lambs. I have saved \$120.00 per year in grease. I keep 50 hogs and feed them on the offal after cooking. It does not cost me 50 cents per week to keep the hogs. I run the Steamer every day except Saturday, and use 300 pounds of coal per week, and always have hot water for scalding my hogs. Yours,

L. HAYWARD.

COOKESVILLE, Wis., June 20, 1870.

You ask me how I like my Steamer, purchased of you 1st November. In reply, I would say, it does all and more than I expected. I have used it in cooking food for from 80 to 150 hogs, and am satisfied that I save, in corn-meal, one-half in feed, besides my hogs do better and grow faster. I am satisfied I can grow a hog up to 200 pounds weight in one-half the time that I can on raw feed. I have used it in steaming potatoes and whole grain, and find it a great saving; and for heating water for butchering and other purposes, it beats anything I ever saw. I can safely recommend it to all farmers and feeders as being a safe and practical Steamer, and one that every farmer needs.

CHARLES MILLER.

Fun to Make Pork.

BATAVIA, ILL., July 23, 1870.

DEAR SIR: Your favor of Feb. 24 is just received, and I hasten to reply. You ask how we like your Steamer. In reply, I wish to state that it more than fills the bill. We are cooking for 125 hogs. It requires but four hours a day to keep a supply of feed on hand. The cobs more than supply the fuel for it. Having had a good opportunity to see the different Boilers and Steamers for cooking feed, we do not hesitate to pronounce your Steamer the Dexter of the age. With a Nicholas Wind-Mill, Challenge Feed-Mill, and an Anderson Steamer, it is nothing but fun to make pork.

L. P. BARKER & CO.

NORA, ILL., Nov. 22, 1869.

DEAR SIR:—I have not been using your Steamer very long, though I can say positively it is the best thing I ever saw of the kind, and is entitled to every thing you claim for it. I do say, because I know it, that the cobs will cook all the corn that comes off them. I can save nearly half my corn by cooking it. I can do cook-

ing without sweating or stirring to keep it from burning on, as I had to do with the so-called "Agricultural Boiler," which I have used, and can do the cooking in one-quarter of the time, and with one-fourth of the fuel.

Yours truly,

J. H. HYNES.

The Steamer Saved It.

FARMINGTON, ILL., Feb. 15, 1870.

I bought of A. K. Montgomery one of your No. 3 Anderson Steamers. Have used it in feeding some 100 head of fattening hogs, and have some four or five hundred bushels more corn left than I expected. THE STEAMER SAVED IT. It is all and more than I expected.

Yours, &c.,

A. J. HARLAM.

CAMDEN MILLS, ILL., Oct. 22, 1870.

GENTLEMEN: This is to certify that I have bought one of your Steamers from your Agent, Joseph Hardy, and am feeding one hundred and thirty hogs, and three milch cows, who eat night and morning two pails each, and I feel certain that the hogs have done better on the steamed food than they would have done on twice the amount of raw. Any one wishing to see it operate can call at the Camden Mill.

Yours truly,

H. P. BEATTY.

Safe and Practical Money-Making Machine.

INDIANAPOLIS, IND., Feb. 24, 1870.

This is to certify that I am using one of Anderson's Universal Steamers for cooking feed for dairy purposes, and can say that I am very highly pleased with it, and can safely recommend it to all dairymen, and every one that is feeding stock. I am confident that it will give general satisfaction. My cows gained rapidly in milk, and have done much better in every way since I have been cooking their feed, and on at least one-fourth less feed, than they had before. I have tested the Steamer thoroughly, and know it to be a safe, practical, and money-making machine.

Very truly yours,

JAMES MUSE.

Pays for Itself in Ninety Days.

OREGON, OGLE COUNTY, ILL., Feb. 15, 1870.

You want to know how my Steamer does. I would say, it is in ALL respects satisfactory. My experience of the Winter warrants me in making the following statement:

1st. It is economical as to time—I can cook three barrels of food per hour; economical as to fuel—I can cook three barrels of feed with 25 lbs. soft coal, or an armful of good wood one foot long; economical as to quantity of food necessary to grow or fat hogs or cattle—I actually save at least one-third the stock eats; does them more good than the whole fed raw.

2d. It is very simple—my son eight years old can operate it.

3d. I can *pay for it in ninety days* by saving in feeding twenty hogs, or in milking six good cows.

4th. I have the first man yet to examine it who does not say it is the *ne plus ultra* of machines for cooking feed and heating water.

J. S. STRANGER.

Would not Take a Boiler as a Gift.

DRY CREEK SETTLEMENT, LINN CO., IOWA, Dec. 7, 1870.

GENTLEMEN: The No. 2 Anderson Universal Steamer that I bought of you gives the *very best satisfaction*. I had made up my mind previous to purchasing Steamer, that I would get an Agricultural Boiler. I wouldn't take a Boiler as a gift now, and do without my Steamer. Some of my neighbors desired to see the Steamer

worked; I cooked three barrels of shorts and corn-meal in 45 minutes; one of my neighbors who timed me, has since purchased one of your Steamers. I cheerfully recommend your Steamers to all my friends.

Very respectfully,

DAVID JOHNSON.

Cheese Factory.

LAKE MILLS, Wis., Jan. 5, 1871.

You asked me in regard to the capacity of my No. 4 Anderson Steamer, and whether it gives satisfaction. In reply, I have to say, it has proved itself capable of doing all the work needed. I used it at my cheese factory during the month of November. I was then running but one vat of 4,500 pounds. The first half of the month the vat was full each morning, the temperature being sometimes as low as 50 deg. I had no difficulty in heating it as quickly as is needed. I am satisfied from my experiments with the No. 4, that it is capable of doing the work for our largest cheese factories. I have no hesitation in saying that I think your Steamer the most economical plan for doing the heating of cheese factories that I know of, doing the most work with the least fuel.

I am, yours truly,

STEPHEN FAVILL.

Mr. N. C. Hill, the well-known dairyman of Ottumwa, Iowa, says: Your Steamer gives perfect satisfaction, and is ALL YOU CLAIM, and is satisfied he can save the price of one every six months in cooking feed for his cows.

The following are a few of the Names of Individuals who have the Anderson Steamer in use, to whom Reference can be had if desired:

Robert Stone, Fulton, Rock county, Wisconsin.	Wm. Meriam, Geneva, Walworth county, Wis.
Hannibal Twell, Fon du Lac, Wisconsin.	M. F. Pierce, Big Foot, McHenry county, Ill.
Ebenezer Souls, Honey Creek, Walworth, Wis.	Christian Monson, Moscow, Green county, Wis.
Richard Reuse, Beloit, Rock County, Wisconsin.	G. G. Godfrey, Center, Green county, "
William Steuart, Clinton, Rock County, Wis.	J. A. Daniels, Spring Valley, Walworth co., "
J. S. Moore, Spring Valley, Rock county, Wis.	J. E. Doolittle, Magnolia, Rock county, "
Otis Whitely, Big Foot, McHenry, Illinois.	Geo. C. Haight, Beloit, Rock county, "
James Waddle, W. Middleton, Dane co., Wis.	J. M. Lee, Evansville, Rock county, "
George Patchin, Magnolia, Rock county, Wis.	S. A. Craiglow, Hazel Green, Grant county, "
George N. Howe, Lester, Wisconsin.	Jacob Strong, Footville, Rock county, "
George W. Hall, Evansville, Rock county, Wis.	Place & Windows, Hartford, Washington co., "
Robert James, Mineral Point, Iowa county, Wis.	James Payne, Atzalan, Jefferson county, "
J. H. Carle, Janesville, Rock county, "	A. Morris, La Grange, Walworth county, "
Abel Barlow, Footville, Rock county, "	Thos. Austin, Johnstown, Rock county, "
Chas. Emmons, Evansville, Rock county, "	E. G. Snell, Jefferson, Jefferson county, "
E. F. Gates, Beloit, Rock county, "	Wm. Gardener, Emerald Grove, Rock co., "
C. D. Mathews, Janesville, Rock county, "	C. Mathews, Janesville, Rock county, "
M. Anderson, Cross Plains, Dane county, "	R. Booker, Whitewater, Walworth county, "
John Monteith, Fennimore, Grant county, "	John Harvey, Johnstown, Rock county, "
S. J. Nichols, Geneva, Walworth county, "	A. W. Hackert, Johnstown, Rock county, "
C. M. Clark, Whitewater county, "	Wm. Porter, Cockville, Rock county, "
C. D. Douglass, Walworth, Walworth co., "	L. Yeoman, Janesville, Rock county, "
John Prindle, Sharon, Walworth county, "	E. Evans, Janesville, Rock county, "
H. A. Cramer, Big Foot, McHenry county, Ill.	A. Peck, Beloit, Rock county, "
O. C. Moon, Richmond, Walworth county, Wis.	Wm. Taylor, Beloit, Rock county, "
S. S. Austin, Delavan, Walworth county, "	H. McGaveock, Beloit, Rock county, "
B. F. Vaughn, Spring Prairie, Walworth co., "	V. Seok, Walworth, Rock county, "
Sylvanus Paul, Delavan, Walworth county, "	S. D. Ayers, Walworth, Rock county, "
S. X. Clark, Delavan, Walworth county, "	W. W. Vaughn, "
John Jellies, Darien, Walworth county, "	E. G. Ayers, Harvard, McHenry county, Illinois.
A. M. Barnes, Delavan, Walworth county, "	Jacob C. Kizer, West Liberty, Ohio.
A. S. Van Patten, Delavan, Walworth co., "	John Newell, West Liberty, "
John W. Emmons, Evansville, Rock county, "	A. R. Harner, West Liberty, "
Geo. Gleason, Whitewater, Walworth co., "	Geo. W. Rife, Bellefontaine, "
S. E. Day, Lima, Walworth county, "	J. M. Porter, Bellefontaine, "
C. M. Clark, Whitewater, Walworth county, "	G. W. Trobridge, Glenn Dale, "
Thos. Godfrey, Lima, Walworth county, "	Wm. Cox, Springfield, "
Robt. L. Honn, Janesville, Rock county, "	John McDevitt, Fair Haven, Preble co., Ohio.
Wm. O'Brien, Footville, Rock county, "	James C. Jacobs, Wooster, "
Geo. Howard, Evansville, Rock county, "	J. C. Shanbarger, Lucas, "
N. B. Howard, Evansville, Rock county, "	Beecher Thomas, Lyndon, Ross county, "
Jas. Bradshaw, Spring Valley, Walworth co., "	D. S. Alexander, Akion, "
Jonathan Corey, Footville, Rock county, "	N. B. Vincent, Indianapolis, Indiana.
H. G. Smith, Janesville, Rock county, "	Robert Fowler, Jr., Esq., Baltimore, Md.
Mathias Czebunborder, Alpha, Montgomery co., O.	E. F. Johnson, Eq., Paltinore, Md.

UNION WASHING MACHINE.



It requires only a trial to convince any practical housewife of the untold blessings this machine will afford in the family. Of all the different kinds made and sold in the country, we regard the Union Washer the best. The washing is done by gentle pressure, and with far less wear on the clothes than is the case when

washed in the ordinary way by hand. Any little boy or girl of ten years of age can manage and work it as well as a full grown person. It is without exception the simplest and most durable machine for the purpose yet introduced. We can recommend them to our customers with confidence.

PRICES.

Washer alone,	-	-	-	-	\$18.00.
Union Wringer,	-	-	-	-	12.00.

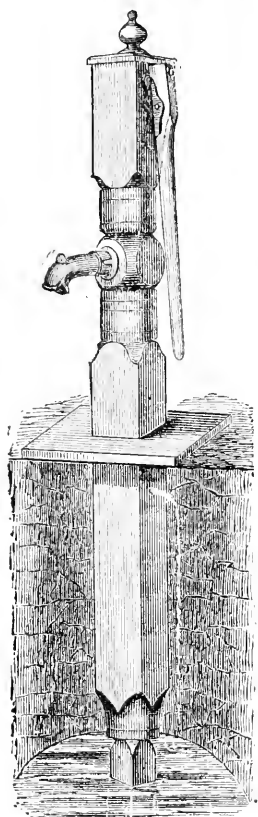
UNION WRINGER.

The Wringer is made expressly for the Union Washer, and is, without exception, the best Wringer in the market.

Machine and Wringer
complete, - - \$30.00



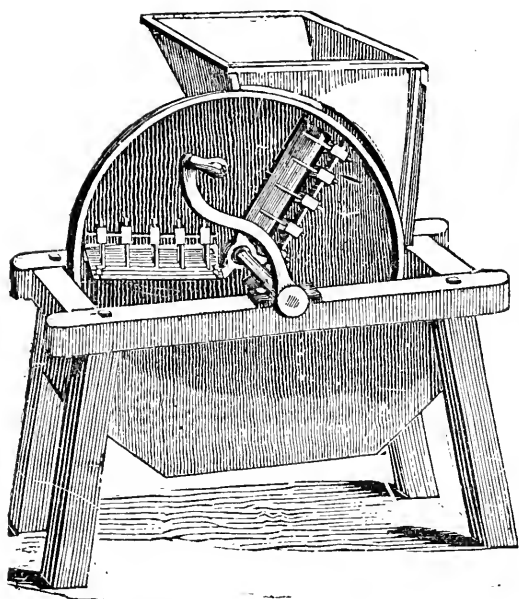
Cucumber Farm Pumps.



The Cucumber Wood Pumps have been in general use in the West for many years, and during the last four years large quantities of them have been sold in the East. They are made of the wild cucumber wood, which is particularly adapted to the making of pumps, from the fact that it does not affect the water, and is not liable to crack. There are a great many different makes of these pumps, some of which are of very inferior quality. We, however, present to our trade an article which we are sure is *the best in the market*. The length of the pumps is such that the working parts are placed below the reach of frost in the coldest weather, the water being vented just above the bucket, so that although the upper part of the pump is freed from water, the working parts remain immersed and no priming is required in starting.

Below we give the different lengths of stock, with prices attached:

6 feet stock, price,	- - - - -	\$ 6 00
7 " " "	- - - - -	7 00
8 " " "	- - - - -	8 00
10 " " "	- - - - -	9 00
12 " " "	- - - - -	10 00
16 " " "	- - - - -	11 00
20 " " "	- - - - -	12 00
24 " " "	- - - - -	14 00
Extra coupling pipe, per foot, price,	- - - - -	35
Couplings, including bands, each, price,	- - - - -	45
Extra water pipe, per foot, price,	- - - - -	15
Valves, price,	- - - - -	20
Buckets or Suckers, each, price,	- - - - -	1 00
Iron Nozzles, price,	- - - - -	60
Wood " "	- - - - -	40



VEGETABLE OR ROOT CUTTER.

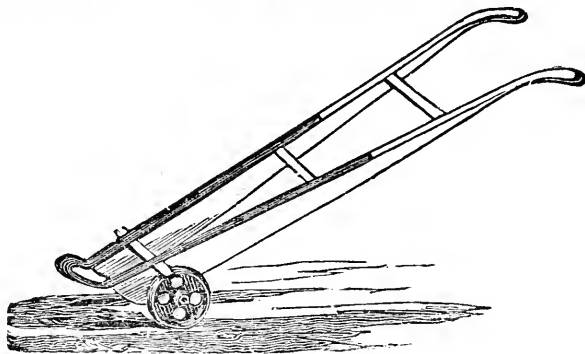
A valuable implement to stock owners for cutting up their root crops, such as turnips, beets, carrots, &c.

Price.....\$20.

Other varieties of Root Cutters on hand. Price, from \$15 to \$18.

STORE, STEAMBOAT AND RAILROAD TRUCKS.

This cut represents an article that is required constantly in every store, warehouse, steamboat and railroad depot in the country. We make several sizes, all of which we warrant to be made in the most substantial manner and of the best materials.



Number.....	1.	2.	3.	4.
Price.....	\$9.00	\$12.00	\$15.00	\$17.00

When ironed all up the sides, additional charge of from \$2 to \$3 is made.

Barrel Trucks cost from \$3.50 to \$5.00 more than the above prices.

Wagon Trucks for dry goods stores, small size,.....Price \$10.00

“ “ “ “ large size, from.....15 to \$20.00

Railroad Baggage Trucks.....Price from \$35.00 to \$45.00

CAST IRON HORSE DIRT SCOOP.

This machine recommends itself to every practical farmer, being one of the most useful implements he can have on the farm for the purpose of road making, leveling hills, filling hollows, digging wide, deep ditches and cellars. They are far superior to carts for short distances in clearing away ditch-banks, excavations, &c.

We make them of solid cast iron, with heavy wrought iron drag bars. They are made in the most substantial manner, and we can recommend them for strength and durability above anything of the kind sold in our market.

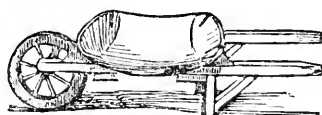
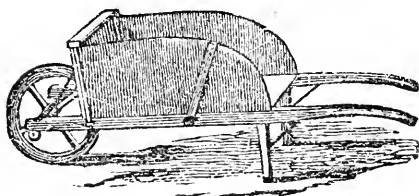
We make three sizes :

Number.....	1.	2.	3.
Price.....	\$10	\$12	\$14

No. 1 is for one horse ; No. 2, a heavy one horse or light two horses ; No. 3 is a good size for two active horses.

When desired we can make lighter Scoops, of same sizes, at less price than those quoted above.

GARDEN WHEELBARROWS and CANAL BARROWS



These Barrows are so well known to all that it does not require any explanation from us here.

When well made, and of good materials, they will last, with proper care, a long time.

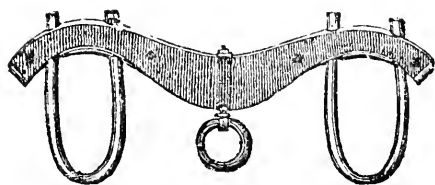
They are indispensably necessary in every garden and farm in the nation.

PRICES.

No. 1, large size, Sinclair & Co.'s,	-	-	-	-	\$9 00
No. 2, small size, " "	-	-	-	-	7 50
Eastern make,	-	-	-	-	8 00
Canal Barrows,	-	-	-	-	\$3 25 to 3 50
Coal Barrows,	-	-	-	-	13 00
Lime Barrows,	-	-	-	-	12 00

Iron Barrows for Coal or Lime, from \$17 to \$30 each.

OX YOKES.



Owing to the imperfect manner in which most Yokes are made, and the very poor materials used, caused us, some six years ago, to commence the manufacture of them.

The body or beam is made of Gum wood, bows of white Hickory, and ironed with the toughest and best iron; and the Yoke is made in the best style of workmanship. Below we give sizes and prices:

No.....	1.	2.	3.	4.	5.	6.	7.
Price.....	\$6.00	6.50	8.00	8.50	9.50	10.00	11.00

Farmers' Boring and Sawing Bench.

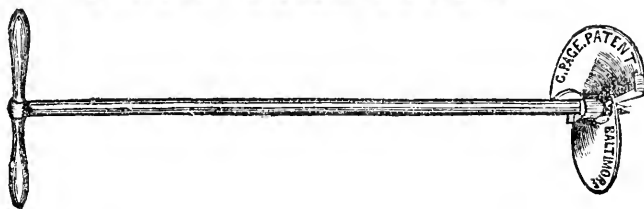
This is an invaluable machine to the farmer.

The machine is used with a circular, and is useful for sawing fire wood, slitting boards for palings, boring holes in posts for fencing, &c.

Bench and Saw, complete, for cutting fire wood, price \$60.00.

Extra, for Side Table and Slitting Saw, from \$25 to \$30.

POST HOLE AUGER.



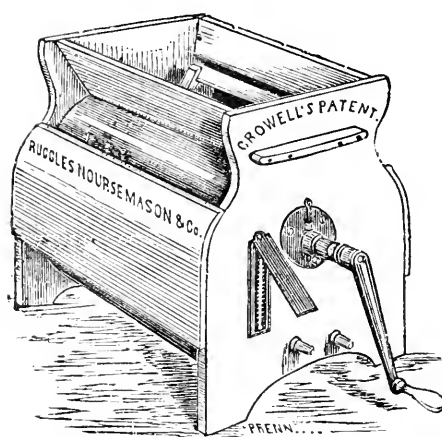
This implement is used in a way similar to the common hand Auger for boring timber, with which post holes are readily made in sand, loam, clay, or alluvial soils.

There are several sizes made, viz:

	6-inch.	8-inch.	10-inch.	12-inch.
Price.....	\$3.50	\$4.50	\$5.00	\$6.00

The Auger-head is made of cast iron, with steel cutters; the stem or handle is made of wrought iron. It is very strong and durable.

THERMOMETER CHURN.



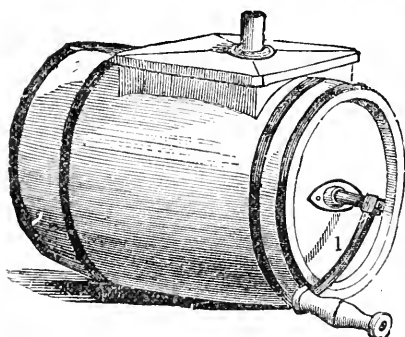
This Churn is so constructed that the cream or milk is readily brought to the desired temperature without mixing water or other substances, and the temperature certainly and definitely determined, which proves invaluable in the art of making butter.

One improvement consists in the construction of a double bottom, made in the form of a semi-circle, of two sheets of zinc or other metal, placed one above the other. The cream or milk rests on the uppermost; between the two sheets is a space or chamber, into which is introduced cold or warm water, as may be required to increase or diminish the temperature of the cream or milk. If regulated according to directions, this Churn will produce butter in from five to ten minutes. This is, at present, the most popular Churn in our market.

No.	0.	1.	2.	3.	4.	5.	6.
Price....	\$5.00	\$7.00	\$8.00	\$9.00	\$10.00	\$12.00	\$20.00
Capacity.	2½	4½	6	9	10½	14½	30 gal's.

The above prices are for the Churn furnished with the Robbin's Patent Dash. When furnished with plain dash 50 cents will be deducted from the above prices.

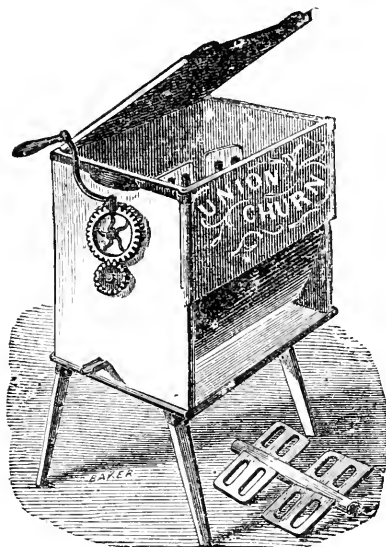
SPAIN'S PATENT CHURN.



This is a very simple and easily worked Churn. The dashers are so made as to give a kind of transverse motion to the cream, keeping it constantly agitated, and bringing every portion into successive contact with fresh particles of the atmosphere through the open tube in the lid. The dash can be taken out for cleaning in a few seconds.

Number...	1.	2.	3.	4.	5.	6.	7.
Price.....	\$4.25	\$4.50	\$5.00	\$6.00	\$6.50	\$8.00	\$10.00

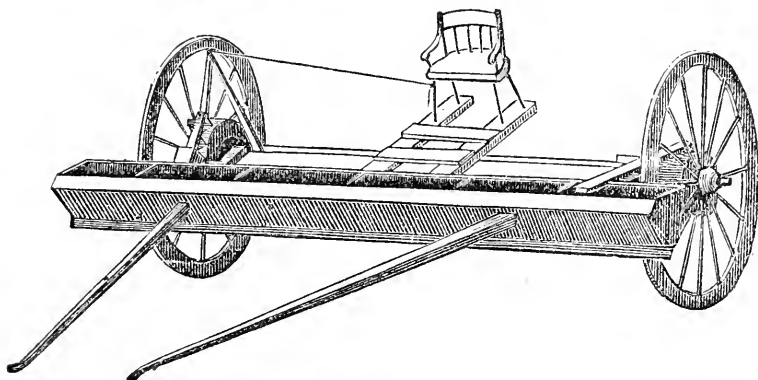
The Celebrated Western Union Churn.



We also sell several sizes of this Churn, so popular in the West and South-west. It is considered by all who use it the best Churn in use.

The following are the prices of the different sizes, sold in this market:

No. 0 Churn,	3 Gallons,	price \$ 6.00
" 1 "	5 "	" " 7.00
" 2 "	7 "	" " 7.50
" 3 "	10 "	" " 8.50
" 4 "	15 "	" " 10.00
" 5 "	25 "	" " 13.00



SEYMOUR'S BROADCAST SOWING MACHINE, Plaster and Guano Sower.

This machine will sow bone dust, plaster, ashes, lime, and all fine fertilizers, regulating the quantity as desired, and sowing them as well when damp as when dry. The machine is very simple in construction, as well as strong and durable. The machine is easy of draught for one horse, but a Tongue is furnished instead of Shafts, if desired.

PRICES.

Broadcast Machine.....	\$80.00
Plaster Sower.....	70.00

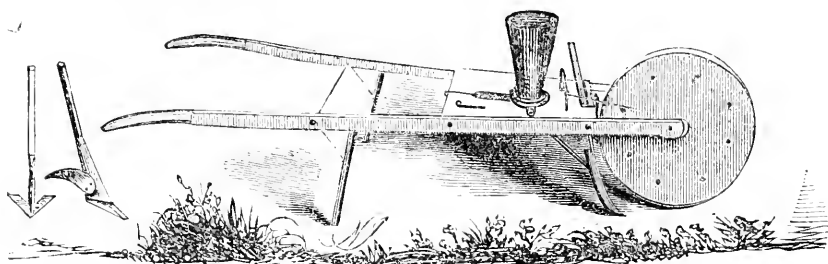
WETHERSFIELD SEED SOWER.

This is a very simple Hand Seed Drill. Will sow all kinds of Garden Seeds, such as carrots, parsnips, beets, cabbage seed, turnip seed, peas, beans, corn, &c. Price \$10.

HARRINGTON'S SEED SOWER AND HAND CULTIVATOR.

This Seed Sower combines all the important requisites of a good Drill with the advantage of being easily converted into a Cultivator. All Slides and Brushes are dispensed with in this form of Sower.

Seed Drill, combined with Cultivator, price.....	\$16.00
Seed Drill.....	12.00
Cultivator	9.00

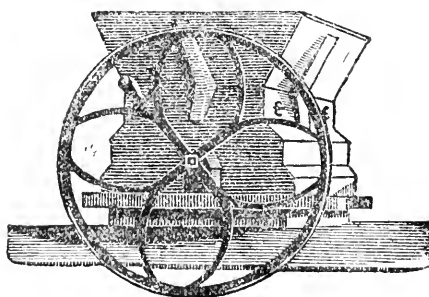


HAND GARDEN SEED DRILL.

The above cut represents a machine that should be in the hands of every Gardener and Farmer in the land. For seeding carrots, beets, parsnips, radish and turnip seed; also, peas, beans, corn, &c., it will readily commend itself to the judgment of the Farmer and Gardener, from its simplicity and ease of management.

Garden Seed Drill.....	Price, \$10.00
" " " with extra Flow Iron, and small } weeding tine for same, }	" 12.00

SUGAR MILLS.

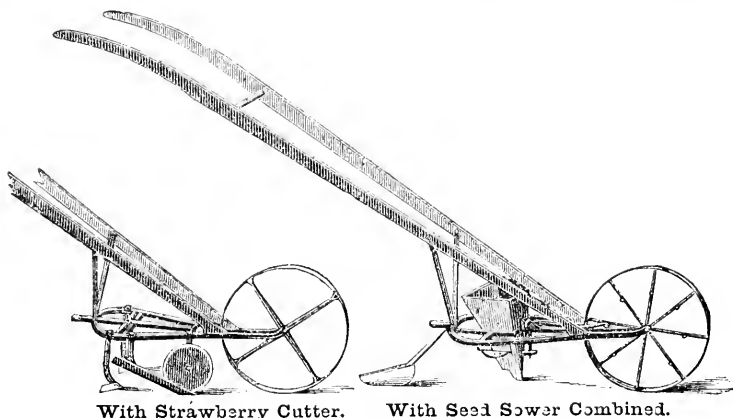


The cut represents the Sugar Mill which is used by grocers and country traders in grinding and mixing sugars for use when taken from the original packages. They are well made and of the best materials.

We make several sizes, viz :

Number.....	0.	1.	2.	3.	4.
Price.....	\$16	\$25	\$30	\$35	\$45

Number 0 is made to set on the top of a barrel, and is shown by the cut.

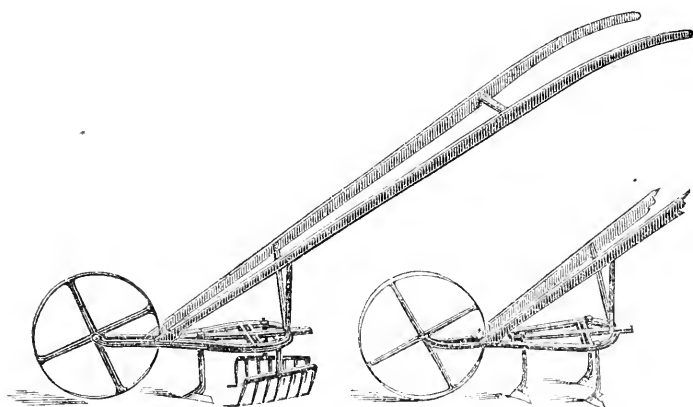


With Strawberry Cutter.

With Seed Sower Combined.

Comstock's Seed Sower and Cultivator Combined.

The Four Implements Combined.



As a Weeder.

As a Cultivator

Comstock's Hand Cultivator and Onion Weeder

Both Implements Combined

THE BEST IN THE WORLD!

Comstock's Hand Cultivator and Onion Weeder Combined.


In the cultivation of Onions, Carrots, Beets, Parsnips, Ruta Baga, Spinach, Strawberries, Nursery Stocks, and other small-drill crops, this implement, the invention of WM. G. COMSTOCK,

for many years a large Seed Grower in Wethersfield, Conn., will do the work of SIX MEN with hoes. It is the only implement that *pulls the weeds* and thoroughly pulverizes the soil; runs close to the rows and takes out all the weeds not directly in line of the plants, without covering them, however small, and throws the earth up to or away from the rows. It is readily adjusted to clean the space between rows from 6 to 15 inches apart at one passage.

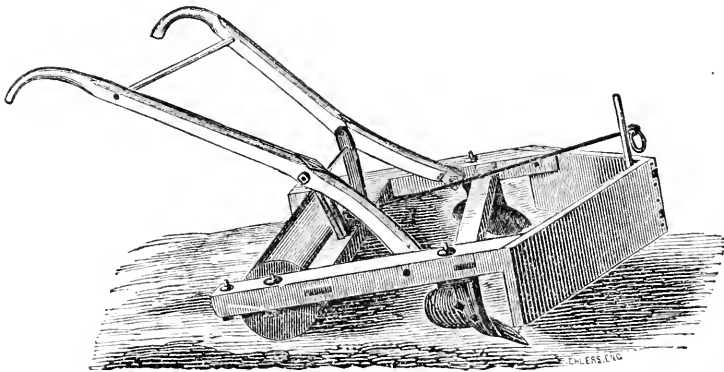
Its great superiority over other weeder consists in the adjustable rakes, with sharp angular teeth set at an acute angle to the rows, in the shape of the slotted iron cultivator frame, and of the three cast steel cultivator teeth, used in combination, with which the operator cuts close to the rows and takes away all the weeds as fast as he can walk and shove the machine, which leaves the ground as even and fine as a flower garden.

With it Onion Growers and Market Gardeners may largely increase their sowing without danger of being swamped with weeds.

Every Machine has two rakes and three cultivator teeth, which make a Combined Cultivator and Weeder.

 *For all small-drill culture, it is as much superior to the hoe as the mowers and reapers are to the scythe and cradle.*

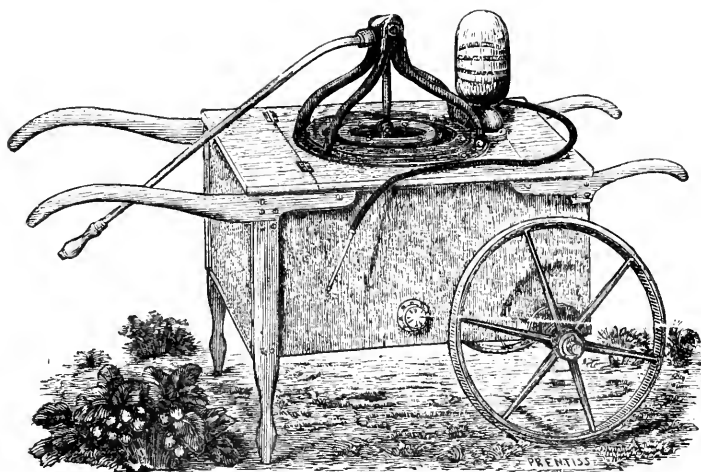
For particulars send for special circulars relating to the above, gotten up by the manufacturers.



CORN COVERER.

This is a very useful implement for covering Corn planted in hills. It will do more work in one day with one horse, and a man or good boy, than ten or twelve men can do with hoes.

Price, - - - - - \$12.00.



Garden Engine.

This cut represents a Combination Pump, mounted and arranged as a Garden Engine, and is very efficient in extinguishing fires in country places, showering fruit trees with washes, watering plants, washing windows, &c.

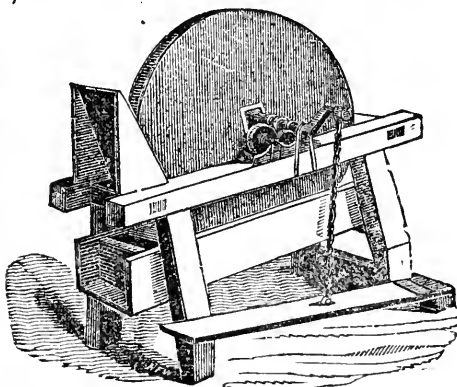
Price, from \$45.00 to \$80.00.

GRINDSTONES, Mounted on Frame, with Anti-Friction Rollers.

We make Grindstones all ready for use, with and without treadle, (as shown in the cut,) and with and without water-box.

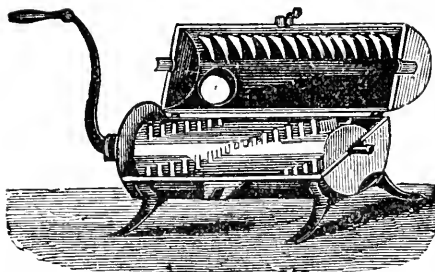
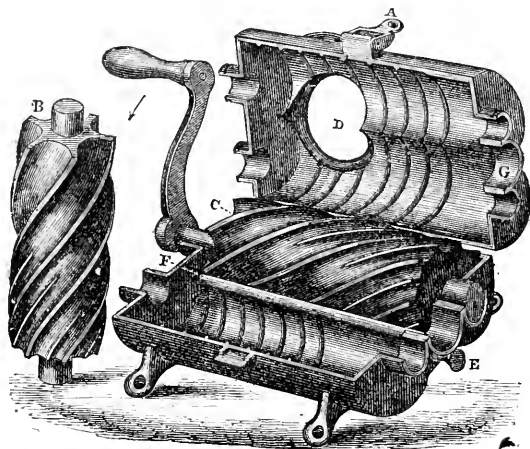
This article is so simple that it does not require any explanation from us. Enough to say, that no Farmer or Gardener, however small his place may be, should be without one.

The price is regulated by style of mounting.



Large size, with treadle and water-box.....	from \$10 to \$15.
Small size, " " " "	" 9 to 12.
Plain mounting, with water box.....	" 7 to 10.
Grindstones, Barca, 2½ cts. ¾ lb.	

HALE'S PATENT MEAT CUTTERS & STUFFERS, COMBINED.



There are a variety of Sausage Cutters sold at this establishment; but we consider "Hale's" the most practicable for family use, and should be in the possession of every farmer.

The Machine is a Stuffer as well as a Cutter, and is what may be called two Machines in one.

Size.....	No. 11.	12.	13.
Price.....	\$3.50	\$4.00	\$4.50

We keep all other varieties, at prices to suit our customers.

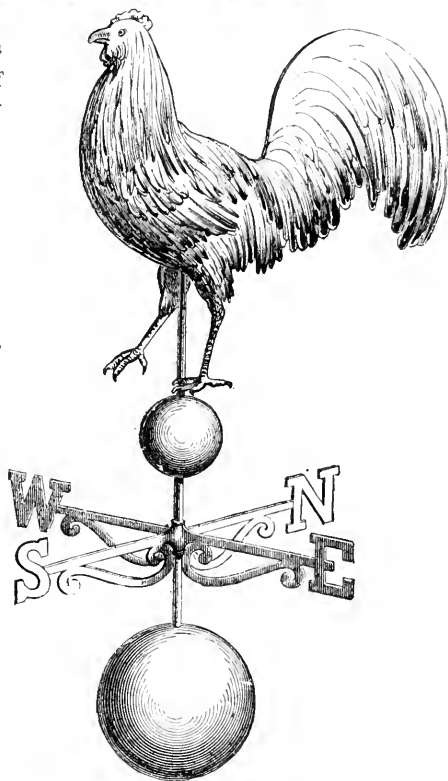
SAUSAGE STUFFER.

This machine is intended for filling sausages; is one of the most convenient and expeditious things for the purpose that can be imagined. One man, with this machine, will prepare more sausages than six men can in the old manner. We have several sizes, which will be sold at lowest market price.

WEATHER VANES.

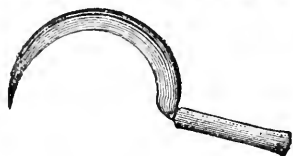
The following are the names of some of the leading kinds of Vanes, which we sell at the lowest market prices, viz:

LARGE COW VANE,
 SMALL " "
 LARGE OX VANE,
 SMALL " "
 SMALL HORSE VANE,
 LARGE " "
 LEAPING HORSE, with hoop,
 LARGE ROOSTER VANE,
 SMALL " "
 LARGE PEACOCK,
 SMALL " "
 LARGE DEER VANE,
 SMALL " "
 LADY SUFFOLK HORSE,
 HORSE AND GIG,
 CODFISH,
 PLOW,
 LARGE DART,
 SMALL " "
 FOX,
 FANCY VANES,
 CHURCH VANES.

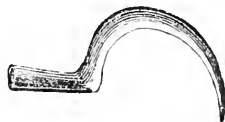


This cut represents a Weather Vane, to be placed on barns, carriage houses, stables, &c., to indicate the direction of the wind. It is quite ornamental. Vanes are made with different and appropriate devices, emblematical of different animals, fowls, &c., and are of different sizes and prices.

GRASS AND BRAMBLE HOOKS.



GRASS HOOK.

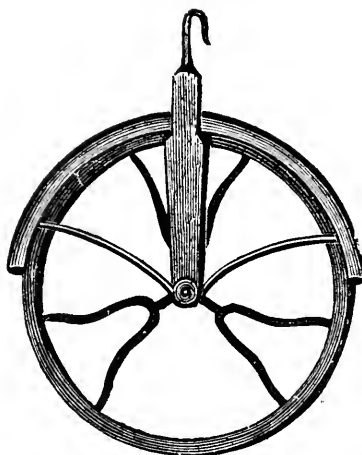


BRAMBLE HOOK.

These articles are manufactured by us for farm use. We make them of the best cast steel; they are very strong and durable, and should be in the hands of every Gardener and Farmer.

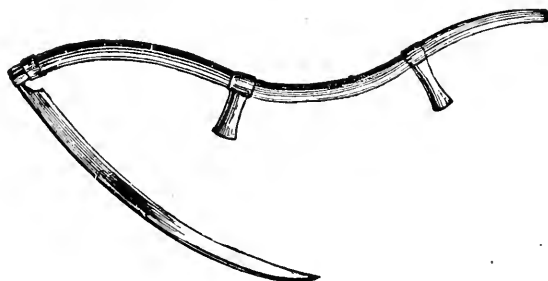
Price, Bramble Hook.....\$2.75
 " Grass Hook.....from 75 cents to 1.00

HOISTING WHEEL.



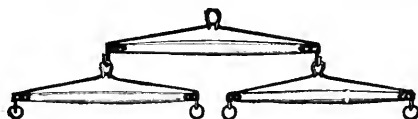
Price from \$1.25 to \$1.50.

Scythe and Snath Complete.



Price from \$2.50 to \$2.75—according to quality.

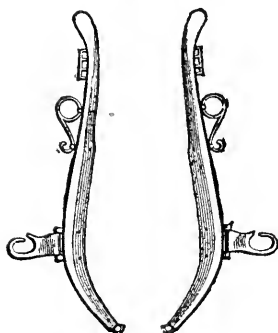
SWINGLE TREES.



The cut shows a very useful and necessary article on every farm. We make them of the best white oak wood, are all ironed, and the wood riveted on the ends. The following are the prices, according to size ;

Set, for 3 horses, 5 pieces, price.....	\$7.50
" " 2 " 3 " "	4.00
" " 1 " 1 " "	1.25

H A M E S.



We generally sell the Root Hames, and in fact recommend none other for farm use.

These Hames are made from the roots of white oak and hickory trees; they are much stronger and durable than those in common use.

Price—from 65 to 75 cents per pair.

CATTLE TIE.



GRASS SCYTHE.

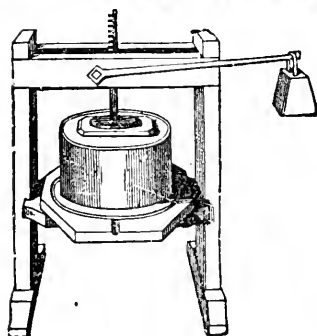


BULL RING.



These articles are sold at lowest market price.

WINE AND LARD PRESS.

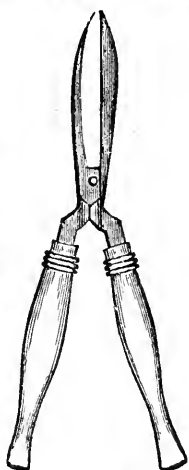


This Press is the thing for expressing the juice from all kinds of small fruit, such as grapes, currants, blackberries, &c., for making wine, and is also well adapted for pressing lard.

Prices according to size, say \$10, \$12, \$15 and \$25 each.

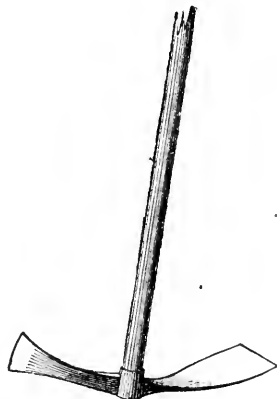
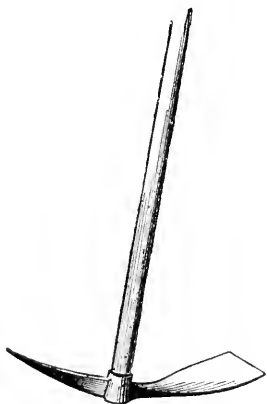
SUNDRY GARDEN TOOLS.

Garden Shears.
Of these Shears there are a great variety of patterns and sizes. Prices according to size.

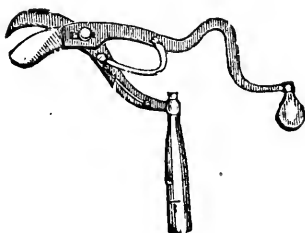
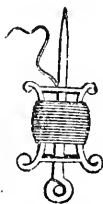
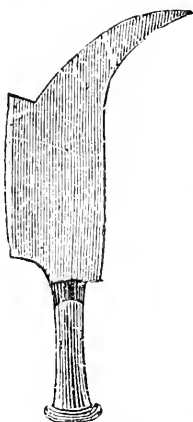
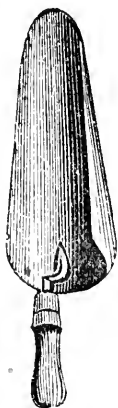


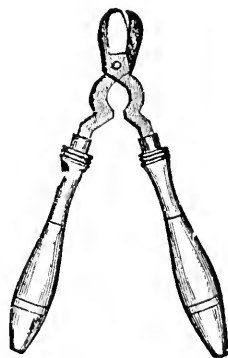
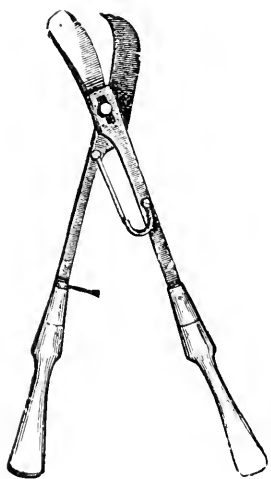
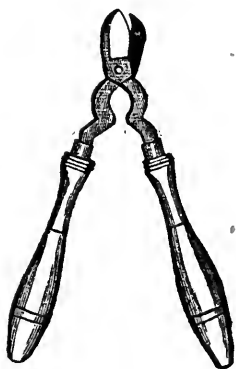
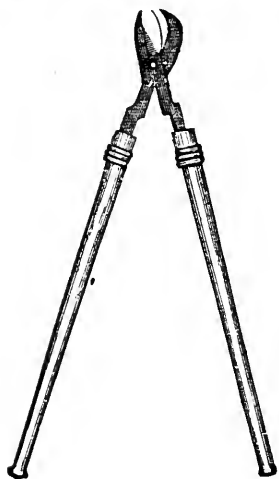
Floral Rake and Hoe.
Used principally by ladies for weeding and hoeing flower beds.

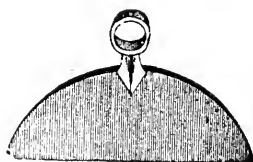
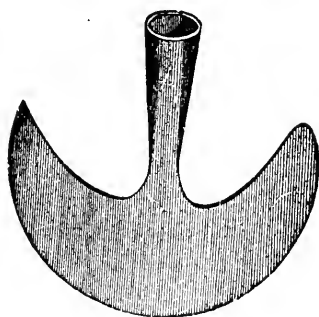
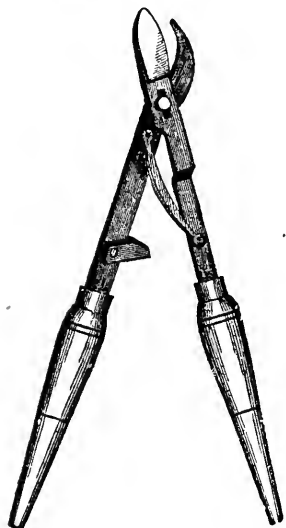
Spades, Forks, Mattocks, &c.



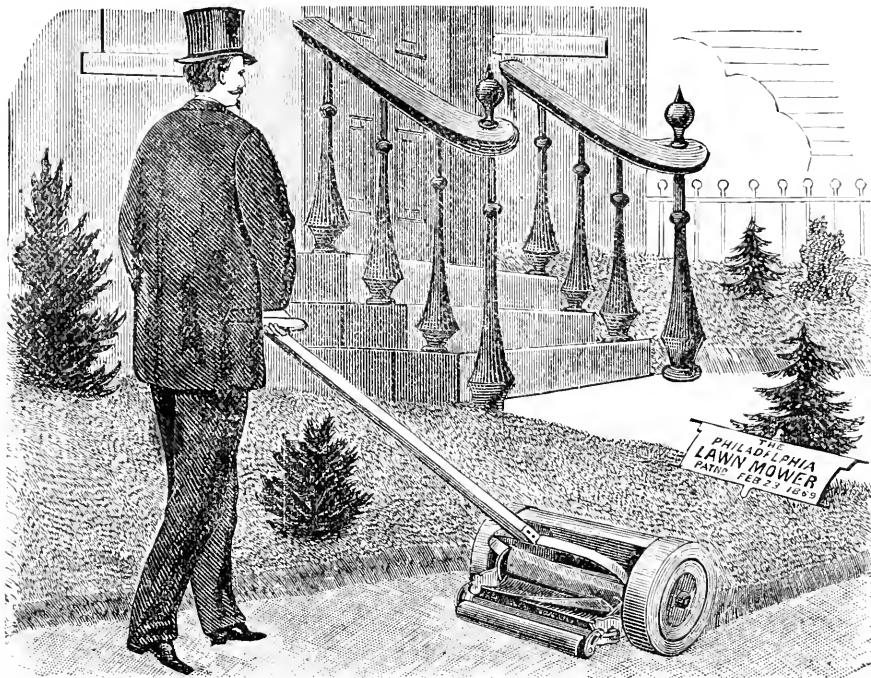
SUNDRY GARDEN TOOLS.



SUNDRY GARDEN TOOLS.

SUNDRY GARDEN TOOLS.

PHILADELPHIA HAND and HORSE LAWN MOWER.

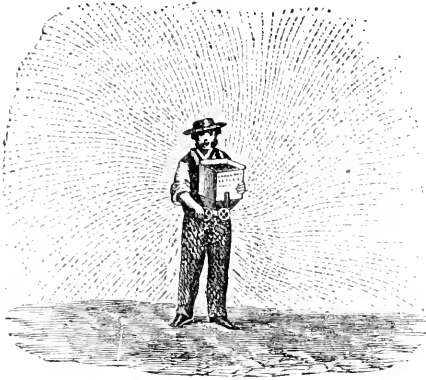


The following are the different sizes and prices, viz :

Power Required.	Width of Cut.	Weight.	Price in Balto.
No. 00—A Lady, - - - - -	10 in.	28 lbs.	\$15 00
No. 1, Jr.—A Youth, - - - - -	14 in.	37 “	21 00
No. 1—One Man, - - - - -	15 in.	63 “	25 00
No. 2, Jr.—One Man, - - - - -	16 in.	42 “	25 00
No. 2—One or two Men, - - - - -	20 in.	75 “	30 00
No. 2½—A light horse, (draft poles)	30 in.	275 “	90 00
No. 2½— “ “ driver's seat and steps.	30 in.		110 00
No. 3—A strong one horse, “ “ “	36 in.	500 lbs.	150 00

The above named Lawn Mowers are very popular, being now considered the simplest and most efficient in market. Send for Circular.

Cahoon's Patent Hand Broadcast Seed Sower.

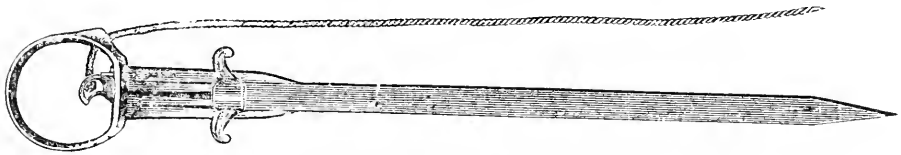


For sowing wheat, oats, hemp, barley, rye, buckwheat, grass seed, &c., &c.

The operator carries it suspended by a strap over his shoulder, and at a common walking gait sows from four to eight acres per hour.

Price, - - - \$10.

Nellis' Harpoon Horse Hay Fork, IMPROVED.



GREATEST RECORD

IN THE

History of Agricultural Implements.

THIRTEEN (13) FIRST PREMIUMS

Were awarded upon our Unloading Apparatus, during the Fall of 1869.

Successful in Every Trial and Exhibition at Nine (9) different State Fairs.

Nine (9) First Premiums upon Rogers' Original Harpoon Horse Hay Fork Improved, and Four (4) First Premiums upon Nellis' Stacker and Loader, (the latter was awarded first premium in every instance where a premium was offered upon the Schedule of the Societies,) and in addition thereto, at nearly all of the different Fairs we visited or caused to be visited, our goods were awarded Honorable Mention, by the Executive Committees, who deemed it their duty to facilitate parties in securing the best and the most Practical Implements.

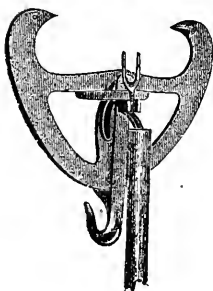
ROGERS & NELLIS' PULLEYS.



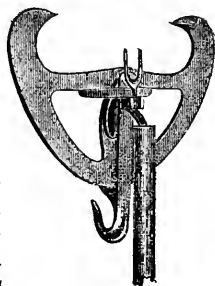
We pride ourselves in presenting to the public this season a Horse Fork Pulley superior in most respects to any yet introduced to the farming public. The casing is made of wrought iron, the pin of cold rolled iron, and the wheel of wood, prepared by a process known only to ourselves. It only weighs about one and a half pounds, and all swivel, therefore, can be used at any place desired. We are confident that it will meet the endorsement of every farmer who uses it.

NELLIS' GRAPPLE.

Patented March 1, 1870.



This simple and practical device will overcome the great inconvenience and danger that has been experienced in putting up and taking down Horse Hay Fork Pulleys; also various other purposes in which the farmer has frequent occasion for its use. It is novel in its construction, and requires



but a few moments to become familiar in putting it up or taking it down, or changing from one point to another, which can be done in a moment's time without a ladder, thereby enabling the operator to convey and deposit the hay at almost any desired point or direction. It is deemed indispensable by all farmers who have become familiar with its convenience, as its nominal cost is no consideration as compared to its value and advantages.

IN LOCALITIES WHERE WE HAVE NO AGENT, THE FOLLOWING IS THE

RETAIL PRICE LIST OF GOODS

MANUFACTURED BY

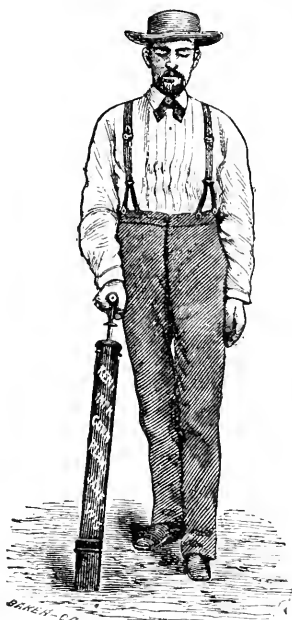
ROGERS & NELLIS.

Rogers' Original Harpoon Horse Hay Fork Improved, -	\$15 00
Rogers & Nellis' Grapple, per set, - - - - -	3 50
(A set includes two Grapples and one Holder.)	
Rogers & Nellis' Grapple, single, - - - - -	2 00
(Single includes one Grapple and one Holder.)	
Rogers & Nellis' Pulley, each, - - - - -	65
Floor Hook, each, - - - - -	25

The entire fixtures necessary for unloading hay under all circumstances, except the rope, is one Fork, \$15.00; one set Grapples, at \$3.50; one set Pulleys, four in number, \$2.60; Floor Hook, 25 cents; amounting in all to \$21.35.

KENT'S

Improved Hand Corn Planter.



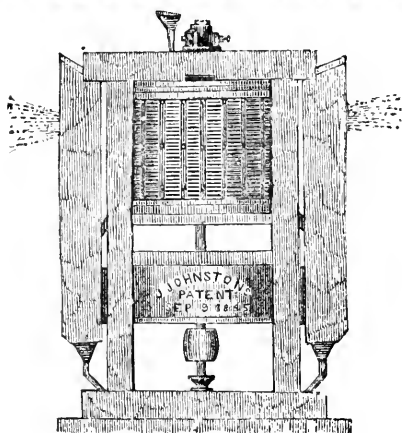
This Planter has been greatly improved since last year, and now is not only the neatest and most perfect working machine, but also one of the most durable ever offered to the public.

In order to decide the question of durability beyond a doubt, a number of them have been run by machinery at the rate of 90 strokes per minute for 10 days, (which would equal the planting of about 200 acres.) When taken down and submitted for inspection they showed very little wear, and any of them would undoubtedly last to plant a thousand acres.

The case is a Sheet Iron Tube 3 inches in diameter, the plunger being a spiral steel rod supplied with a cast iron foot. It cannot give out or clog. It feeds at the bottom, the corn being agitated to prevent any possibility of its missing. It weighs only 4 lbs., and is so perfectly simple that it cannot get out of order, and needs no skill in using. Can be used single or double at will, spreads the corn evenly and regularly over a space of three inches, and is so constructed that the operator can see the corn deposited in the ground. Has a stop to regulate the depth and covers the corn.

Price, - - - - - \$4.00.

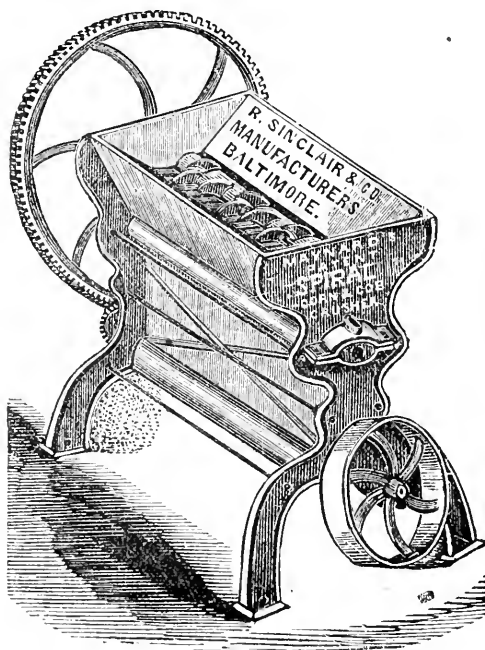
PATENT SMUT MACHINE.



We have sold these machines for the past twenty years, and notwithstanding all the claimed recent improvements, our experience has demonstrated to us that it has *no equal*. We have sold hundreds of them, and never had one fail to give entire satisfaction.

No. 1, capacity 15 to 25 bushels per hour	\$90 00
2, " 25 to 35 "	105 00
3, " 42 to 50 "	125 00
4, " 50 to 75 "	150 00

Maynard's Spiral Corn and Cob Crusher.



This cut shows the Maynard's Corn and Cob Crusher. This machine is run exclusively by horse, water or steam power. It is a valuable machine for millers and farmers: it is made all of iron, is very simple in construction, and can be managed by any ordinary hand.

Price, - - \$70.

PLOWS.

LIVINGSTON PLOW.

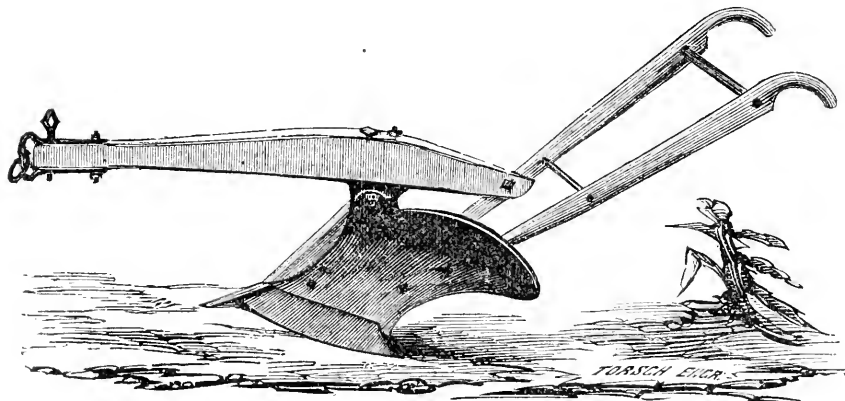
This is one of the best cast iron Plows made. Its mould forms an acute wedge; is very high in the standard, which prevents it from being easily choked with grass or weeds; is of very light draught, and one of our most popular plows. We make several sizes, both right and left hand.

No.	1.	2.	2½.	3.	4.	5. Right Hand.
Price..	\$6.50	\$7.50	\$9.00	\$10.00	\$12.00	\$14.00

No.	3.	4.	5.	Left Hand with Cast Share.
Price...	\$12	\$13	\$15	

No.	2.	3.	Left Hand Wrought Shares.
Price...	\$18	\$20	

IMPROVED VALLEY OR KING PLOW.

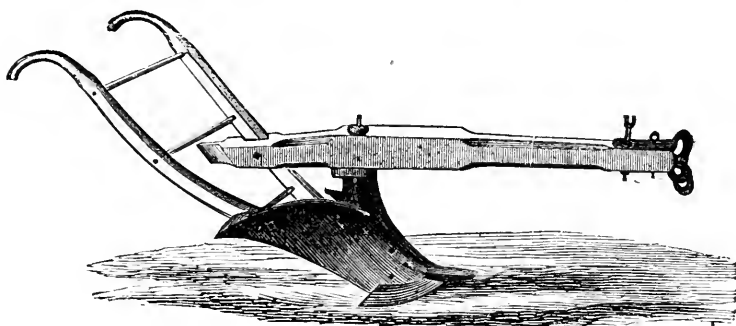


This Plow is made with left hand Mould-Board and solid wrought iron Share, with steel Land-Side and Cutter combined, which renders it a very desirable Plow for stiff and stony lands. This Plow is generally preferred in Western Maryland and the Valley of Virginia to all other kinds. We make two sizes:

No. 2, heavy two-horse, price	-	-	\$20 00
" 3, three horse,	"	-	22 00

MOORE & CHAMBERLAIN

Self-Sharpening Delaware Plow.



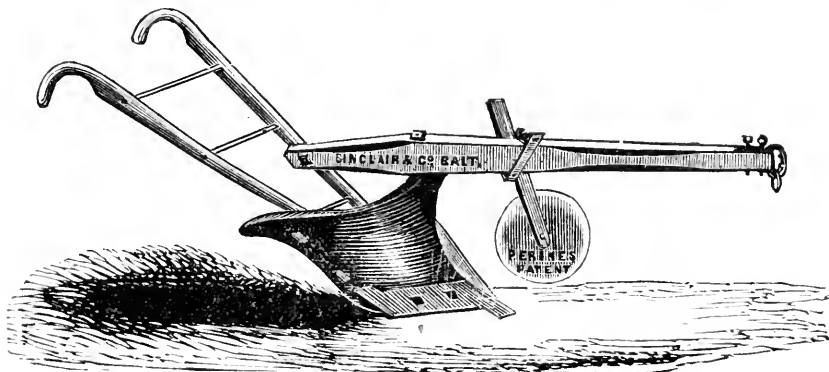
This plow is much in use in Maryland and Delaware. It is of easy draft, simple, durable, and performs its work to the satisfaction of farmers more generally than any of the common plows now in use. It has a reversible point and share made of chilled cast iron, and for most soils equal to steel. In some parts of Georgia this plow is much used, and is becoming more popular there every year.

The following are the sizes made, with their prices :

Number.....	6.	6½.	7.	8.	9.
Price.....	\$5.00	\$6.00	\$9.00	\$10 00	\$11.00

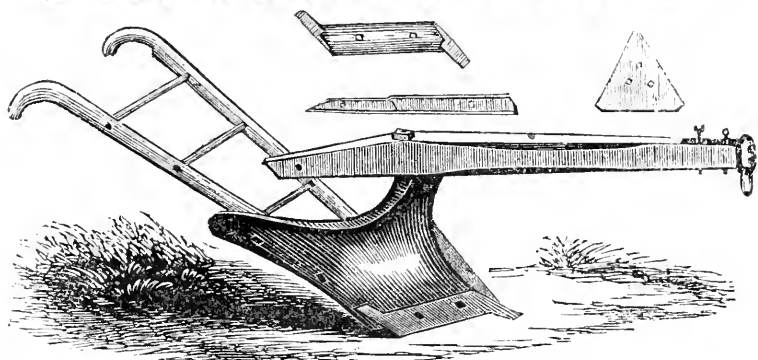
When furnished with draft rods from \$1.50 to \$2.00 additional is charged.

Patuxent Plow with Revolving Cutter.



The revolving cutter is valuable for land infested with wire grass and pea vines, and is an excellent remedy against the plow choking.

PATUXENT PLOW.



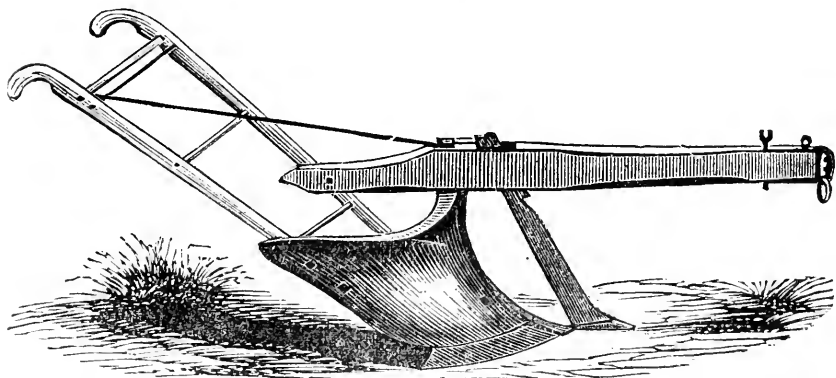
The above cut represents our Patuxent Plow, a combination between the Wiley and Woodcock Plows. The share has two points and two cutting edges; the heel piece extends the entire length of the land-side, which, with a triangular cutter (three cutting edges), presents a combination simple and economical. This Plow is very popular in the lower counties of Maryland, and on the Eastern Shore of Maryland they are considered superior to all others; they are also much used in some sections of North and South Carolina.

We make seven different sizes:

Number.....	5.	6.	7.	8.	9.	10.	11.
Price.....	\$5.50	\$5.50	\$7.00	\$8.00	\$9.00	\$10.00	\$14.00

Revolving Cutters and fixtures cost from \$6 to \$8 additional.

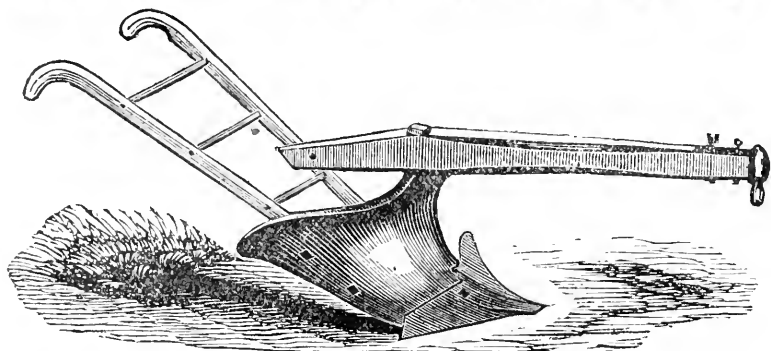
Improved Lock-Coulter Plows.



These Plows are made with wrought iron Shares and Lock Coulters laid with steel. They are principally used for breaking up new ground effectually, cutting the roots of trees, &c., and are extensively used in Virginia and Maryland.

Number.....	18.	18½.	19.	19½.	20.	21.
Price.....	\$10.00	10.50	11.50	15.00	16.00	17.00

MINOR & HORTON CAST SHARE PLOW.



This is a very popular Plow in almost all sections of this country, being well adapted to almost all kinds of soil. It is of easy draft, simple, and durable. The Shares are made with and without fins or cutters.

The plow performs its work to the satisfaction of farmers and planters, and is becoming more universally adopted than any Plow now in use.

We make several sizes of this Plow, with both right and left Mould Boards.

Number	18.	18½.	19.	19½.	20.	21.	22.
Price.....	\$5.00	5.50	7.00	8.50	9.50	11.00	12.50

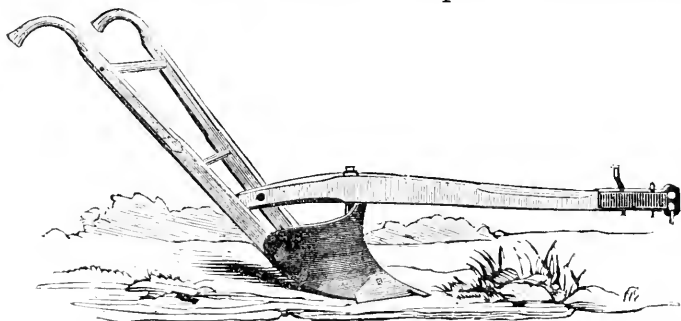
Number.....	15.	16.	Left Hand.
Price.....	\$12.00	13.00	

Minor & Horton Plow with Steel Shares.

Number	18.	18½.	19.	19½.	20.	21.	22.
Price.....	\$7.50	8.50	10.00	11.50	14.00	15.00	16.50

Number.....	19½.	20.	15.	16.	Left Hand.
Price.....	\$14.00	16.00	16.50	17.50	

S. & M. or Sinclair & Moore Improved Davis Plow.

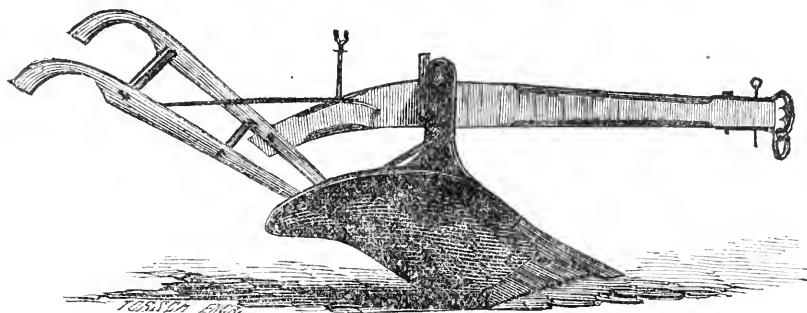


This is a very popular Plow in the lower counties of Maryland, and although an old invention, is still admired by practical farmers in Charles, St. Mary's, Calvert, Prince George's, and Anne Arundel counties, of this State. The Plow is particularly adapted to the soil of these counties, and will break up and pulverize the soil better than many other Plows.

Number.....	7.	8.	9.
Price.....	\$6.00	7.50	9.00

The Davis Plow is the same price as the above, for corresponding sizes. The Old Davis Plow is used in the same localities as the S. & M. Plow.

CUFF AND BRACE PLOW.

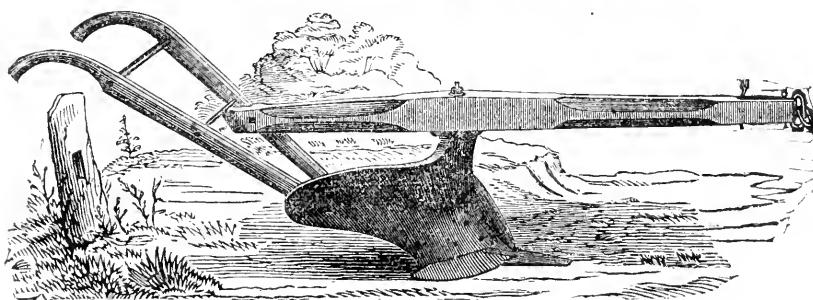


This is a very popular Plow, much used in certain localities in Virginia, North and South Carolina, and Georgia.

The Cuff and Brace Plow is very simple and easily managed. The Plow is regulated to go deeper or shallower, or to cut a wide or narrow furrow slice, as the case may be, by means of a wedge-shaped key in the cuff.

Number.....	1.	2.	9.	6.	10.	13.
Price.....	\$5.00	6.00	8.50	12.00	14.00	16.00

WOODCOCK PLOW.



This is a very popular Plow in the Western counties of the State, where the farmers require a strong Plow for their heavy clay and limestone lands, and for stony soil there are few Plows with cast Shares or Points superior to it.

The Plow has a well-shaped Mould Point and Share (turn or sharpen themselves) and triangular Cutter with three cutting edges.

The Plow is remarkably strong, very simple, and durable.

Number.....	1.	2.	4.	6.	6	Extra.
Price.....	\$5.00	7.00	9.00	10.50	12.00	
Number.....	4.	5.	Left Hand.			
Price.....	\$10.00	12.00				

M. & H. IRON BEAM PLOW.

NEW SERIES OF IRON BEAM PLOWS.

We have recently added to our large assortment of Plows a new series, running from light two-horse to heavy three-horse, made upon the model of the well-known Peckskill Plow, but greatly improved in shape, and better adapted to this section of country. They are made entirely of cast iron, having high circular shaped beams at the standard or throat, which prevents choking in weedy or grassy land; and have two screw holes in the share, making them much stronger and more durable than the old patterns. The front mould, as shown in the cut, is for the purpose of skimming the surface soil where weeds abound, and the larger mould following completely buries the sod cut by the small one. The front Plow can be regulated to any depth by the means of a screw working in the standard.

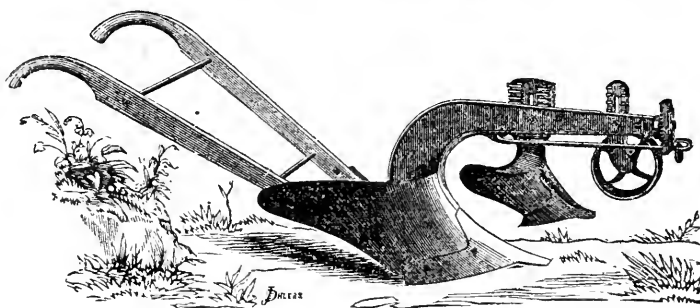
This front Plow can be detached in a few seconds if not needed.

We furnish the Plows with and without the front Plow.

Number 35½,	light two-horse,	price.....	\$8 50
" 36	two-horse,	"	10 50
" 37	three-horse,	"	11 50

When front Plows are wanted, an additional charge will be made of two dollars.

TITUS IRON BEAM PLOW.



This Plow resembles the new series Improved Iron Beam Plow, being constructed somewhat in the same manner, and possesses all their advantages. Being a larger sized Plow, it requires a heavier team to work it. These Plows have been and are now in common use by many of our largest farmers in Southern Maryland and Virginia, by whom they are highly prized.

Number 8,	two-horse,	price.....	\$11 00
" 9,	three-horse,	"	12 00
Front Plows,	additional for each size	2 00

The prices given above are for the Plows with front wheel only.

Rich's Iron Beam Plow.

This is a very popular Plow in the State of Delaware, and of late years in some sections of Southern Maryland. It is of light draft. Being constructed entirely of iron, except the handles, renders it very durable and substantial. It has a high, curved standard, which insures it from choking in filthy land. We are making this as well as the other Iron Plows named, and as such we recommend it to our customers.

We make only the two-horse size.

Price.....	\$12 00
“ with Coulter.....	13 00

Atwood Improved Plug Plow.

This Plow, where used, is much admired, both for ease of draught and the perfect manner in which it does its work. The Plow is capable of plowing deep where the land is infested with weeds, turning them well under, leaving the furrow slices perfectly level. The mould and standard are cast in one piece, and the standard is mortised into the beam, which stands high, not being liable to choke. It is highly recommended by all our farmers who use them.

PRICES.

No. 1—Right hand, one horse.....	\$6 50
“ 2—Heavy one, or light two-horse.....	8 00
“ 3—Two-horse.....	10 00
“ 4—Heavy two, or light three-horse.....	12 00
“ 5—Three-Horse.....	13 00

This Plow is now made to go together with screws instead of plugs as heretofore made.

Maryland Self-Sharpening Plow.

This excellent Plow has been long and favorably known in almost all sections of Maryland and Virginia. The points are made of steel bars, with five holes, by which the point can be let out as it wears. They are also reversible; that is, they can be turned over, end for end, at least a dozen times, thus being equal in durability to a dozen ordinary points.

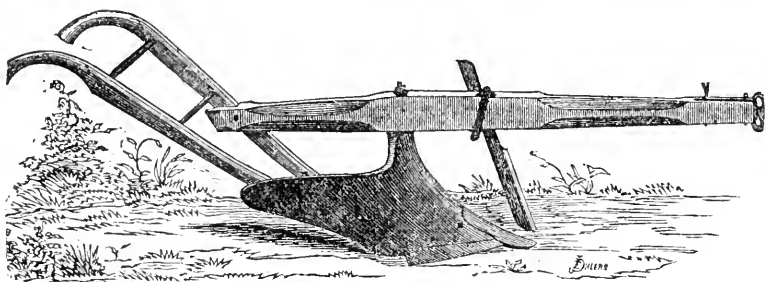
The share is made either of cast iron or steel, as desired, which is also self-sharpening.

This Plow is much admired for the perfect manner in which it does the work in sod and hard clay soils.

PRICES.

No. 0—Light one-horse.....	\$6 50
“ 1—Heavy one, or light two-horse.....	7 50
“ 2—Medium two-horse.....	8 50
“ 8—Heavy two-horse, with draft rod.....	16 00
“ 10—Three-horse.....	18 00

HECKENDORN PLOW.

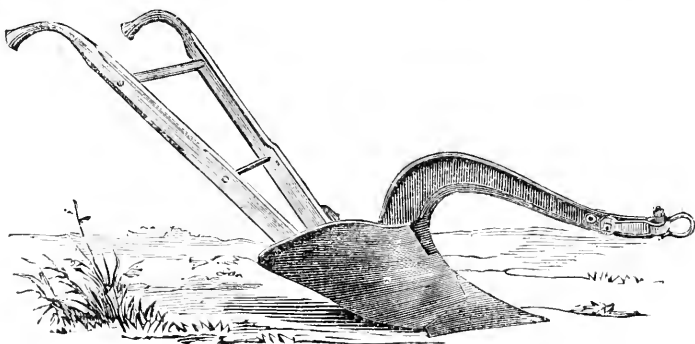


This Plow is ingeniously constructed, having reversible cast share and point. The point and share are also self-sharpening, and can be changed four times, making it one of the most economical (by which name it is in some places known) Plows for the farmer to have. It is particularly adapted to high land, free of rocks, and is very popular with many farmers on the Eastern Shore of Maryland and Delaware.

We make only two sizes:

No.....X.	2.	} both sizes for two horses.
Price.....\$12.	\$12.	

The White Iron Beam Plow.



The cut shows the construction of a Plow which of late years is much used in light and sandy lands. It is an improvement on the old Minor and Horton Plow by the application of an iron beam. It is also less liable to choke in grassy land.

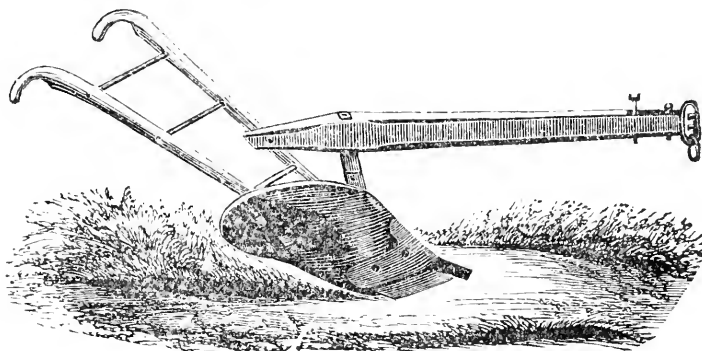
We make several sizes, viz:

PRICES.

Number 7, one horse.....	\$6 00
" 8, light t two-horse.....	8 00
" 8½, two-horse.....	10 00

These Plows are coming into general use in some sections of Lower Maryland.

Wiley Double-Pointed Plow.

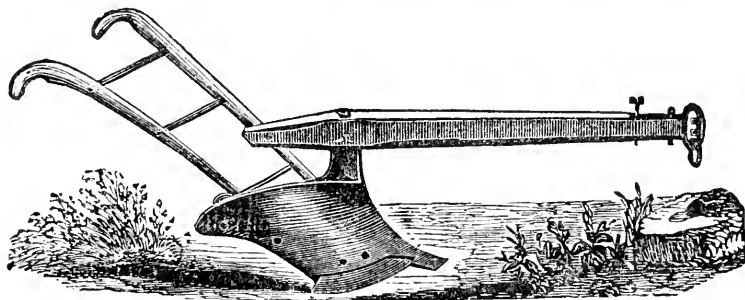


The form of the Wiley Plow mould-board is a bold convex, the share (cast iron) is double pointed and very strong; it can be reversed as one point wears so as to turn the other; it has a wrought iron standard, to which the mould is attached, making it one of the strongest and most economical Plows in use for some soils; in fact, the Plow is suitable for any variety of soil, and is much admired by the farmers of Baltimore, Howard, Harford, and Frederick counties.

Sizes and prices as follows:

Number 3, one horse.....	\$5 50
“ 4, heavy one horse.....	6 50
“ 56, two-horse.....	9 50
“ 76, heavy two-horse or light three.....	11 00
“ 8½, three-horse.....	12 00
“ 3, left-hand three horse.....	12 50

Improved Concave Self-Sharpening Plow.

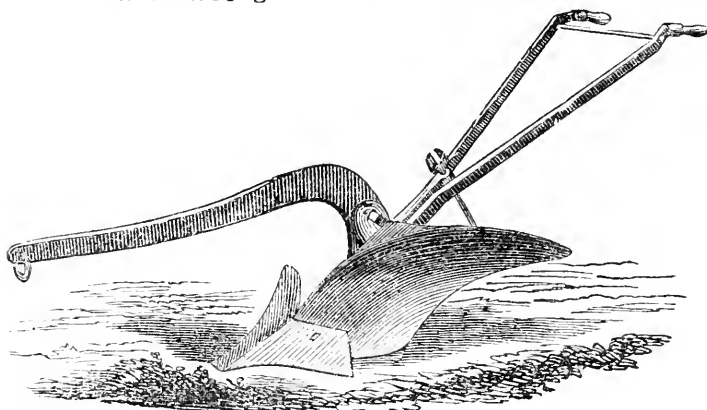


We make three sizes of the above Plow, viz:

Number 8—Light two horse, price.....	\$ 8 50
“ 9—Two Horse, “.....	10 00
“ 10—Heavy two horse, “.....	11 00

PITTSBURG IRON PLOW,

With Wrought Iron Beam and Handles.



This cut shows the construction of this most excellent Plow. It is constructed entirely of iron—beam and handles wrought iron, and the mould, share and landside cast iron. By many experienced farmers it is considered as good as any in the country.

We also sell the Steel Plows of the same make, and at the manufacturers' prices. The following sizes, with cast iron moulds, always on hand:

PRICES.

Number 2—One-horse,	(Right hand).....	\$11 50
“ 3—Light two-horse,	do.	13 00
“ 5—Two-horse,	do.	14 00
“ 8—Heavy two-horse,	do.	15 00
“ 10—Three-horse,	do.	17 00
“ 4—Two-horse,	(Left hand).....	14 00
“ 7—Light three-horse,	do.	15 00
“ 10—Heavy three-horse,	do.	17 00
“ 3—Light two-horse,	do.	13 00

Clevises, instead of rings.

Beach, Concave Self-Sharpening Plow.

This is an old-time pattern, but is still used and admired by many of our farmers in various sections of this State. It has a concave mould, and self-sharpening point and share. There has of late years been several attempts to improve this Plow, and some two or three patterns have been introduced which purport to be improvements on it, but after practical trials they have failed to do better work than the original old Beach.

PRICES.

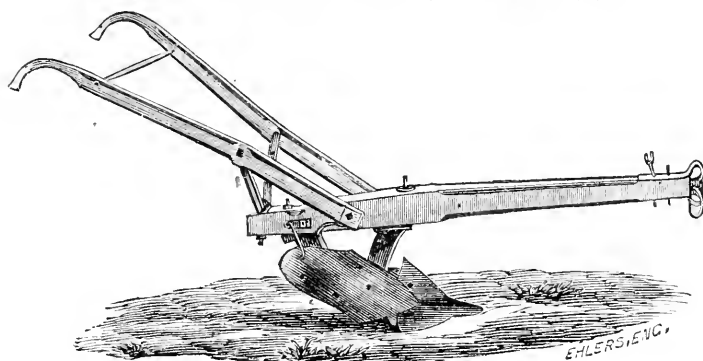
Number 7—One-horse.....	\$6 50
“ 8—Heavy one, or light two-horse.....	7 50
“ 9—Two-horse.....	9 50

PRATT AND DAVIS PLOW.

This Plow is made somewhat on the principle of the Beach Plow, and is a strong and durable plow.

Number.....0.	1.	2.
Price..... \$8.00	\$10.00	\$11.00

HILLSIDE PLOW.



The above Plow is so constructed that the mould-board is easily and instantly changed from one side to the other, which enables the operator to perform the work on hill sides, turning all the furrow slices downwards.

We improved this Plow some three years since, and it is now considered the best Plow of the kind in use.

We have taken several Premiums for this Plow at State Fairs, and at our Maryland Fair last year we received the first premium.

We make other patterns, but recommend our improved pattern as the best.

Below we give kinds, sizes, and prices :

Number 0, improved one-horse.....	\$6 50
“ 1, “ two-horse.....	9 50
“ 2, “ heavy two or light three horse.....	13 00
B 1, two-horse.....	11 00
B 2, three-horse.....	13 00
Rich's Iron Beam, two-horse.....	14 00

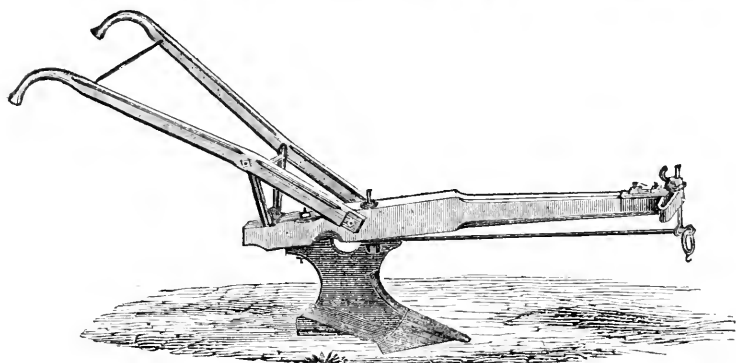
CHENOWITH DOUBLE-POINTED PLOW.

This is a most excellent Plow for some sections of country. It has a double-pointed share that can be reversed at pleasure. It is very simple and strong, and of light draught.

PRICES.

Number.....	6.	7.	8.	9.
Price.....	\$5.00	6.50	7.50	8.50

PREMIUM SUB-SOIL PLOW.



This cut represents our Premium Sub-Soil Plow. This Plow was awarded the first premium at our late Agricultural State Fair (1869) over all other varieties on the ground, and at several State and County Fairs for the last ten years it has received either a first-class premium or diploma.

We make three sizes of these Plows, all of which are constructed on the principle of the most approved Scotch Plow, one of which was imported from Scotland some years ago for the purpose of furnishing the most approved model. By modifying and simplifying its construction, at the same time making some important improvements, the farmers and planters of this country are now supplied with Plows lighter than the Scotch Plow, yet better adapted to our soils, and of equal capacity, at a much less price.

They are now much used in different sections of the United States with great satisfaction, and the demand for them is constantly and rapidly increasing.

These Plows are used by following directly after the team, which turns up the surface soil, and in the same furrow. This is of great advantage to the crops, both in dry and wet land. In the former, the sub-soil being deeply broken up and well pulverized, the moisture is retained much longer than it otherwise would be, and the roots of plants can descend much lower and wider for their food; while in the latter the excess of moisture filters below and is readily carried off; they, however, require that the earth below them be sufficiently porous to admit of the escape of an excess of moisture, or their beneficial use is not felt until the land is well drained.

Number 0, one-horse, price.....	\$8 00
“ 1, two-horse, with draft rod, price.....	12 00
“ 2, heavy two or light three horse, with draft rod.....	15 00

We can furnish steel shares for any of the above sizes, when required, and at reasonable prices.

ORCHARD GANG PLOW.

This is a four-furrow gang Plow, made with wheel in front of the beam and two wheels on gang head. It is used to work between fruit trees in orchards, for which purpose it is much esteemed by our large fruit growers on the Eastern Shore of Maryland and Delaware. It is also an excellent implement for seeding oats—sown broadcast.

Price.....\$20.00

CONNECTICUT PLOW.

This Plow is much used in the tobacco lands of Southern Maryland.

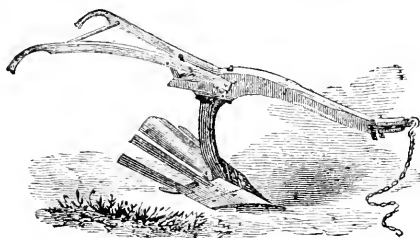
Number.....	1.	2.
Price.....	\$6.50	\$8.00

McCORMICK WROUGHT-SHARE PLOW.

Number.....	7.	8.	9.	10.	12.
Price.....	\$10.00	12.50	15.00	17.00	20.00

The share of this Plow forms both share and landside, and is laid with steel.

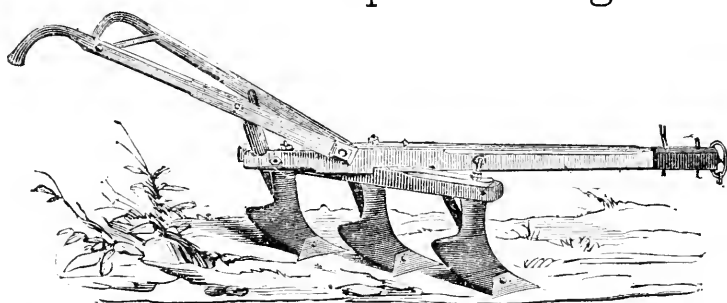
IMPROVED POTATO-DIGGING PLOW.



This is one of the most useful implements on any farm on which potatoes are raised. It is of light draft, and simple in construction. A pair of small horses or mules, with a man to drive, will easily dig potatoes as fast as twenty men can pick them up. It turns them out so clean that scarcely one bushel in fifty, whether small or large, that is not exposed on the surface. This is a most important advantage. The standard is so high as to allow of its working freely, without choking from weeds and potato vines. It works well in all kinds of soil, but is particularly adapted to light land. The standard is made of cast iron, and is very high, to prevent choking. The share is double-edged. The fingers are made of the best wrought iron, and are used to separate the potatoes from the earth and place them on the surface, so as to be easily gathered.

Price.....\$15 00.

Sinclair & Co.'s Improved Gang Plow.



The cut represents a three-furrowed Gang Plow, and is principally used for seeding wheat, oats, and other grain sown broadcast. This plow is considered equal to the drill by many of our farmers in Maryland. We also make them with four furrows for the same purpose. The two-furrow is principally used for the cultivation of corn, and is also used for seeding.

Our improvement consists of an improved high stand mold and reversible share and heel, and is the best implement of the kind in the country. This Plow is also an excellent article for our Southern planters; on light land this Plow (say three-furrow) will break up more land in a day with two horses than can be done with three one-horse Plows, such as are now in general use in some of the Cotton States.

PRICES.

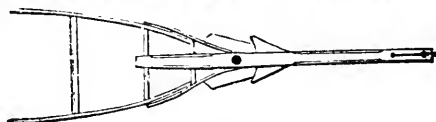
Two-furrow, one-horse.....	\$ 8 50
Three-furrow, two-horse.....	10 50
Four-furrow, heavy two-horse.....	15 00

The above pattern is made with heavy wrought iron braces from the mould to the beam.

We make also the Minor & Horton pattern and W pattern, 50 cents less than the above prices for each size.

We also make the Reverse Mould Gang Plow of all sizes.

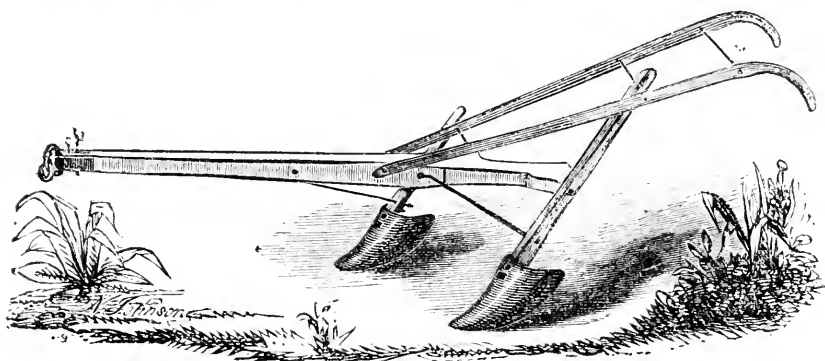
DOUBLE MOULD PLOW.



The cut represents a Plow which is very useful for opening drills to plant potatoes, corn, tobacco, &c. In plowing out between narrow rows, it throws the dirt both ways to the plant, and thus does the work of two plows. It is also very useful in digging potatoes. It is a very convenient implement for various kinds of work, ditching, &c., and should always be kept on the farm.

Number.....	1.	2.
Price.....	\$5.50	\$8.00

IMPROVED SHOVEL PLOW.

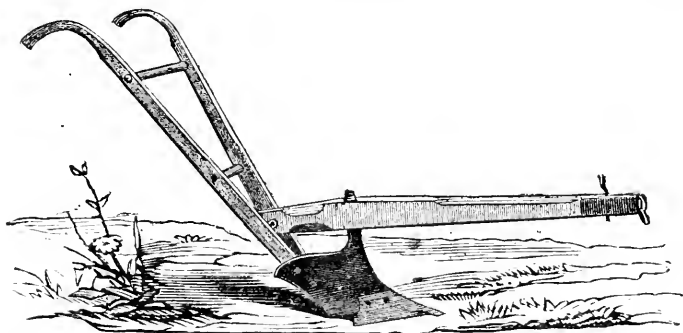


The above cut represents a Plow much used in some sections for working corn, vegetables, &c. It is light and easily managed. The shovels are made of wrought iron laid with steel. The stock is made of the best white oak, and substantially iron.

PRICES.

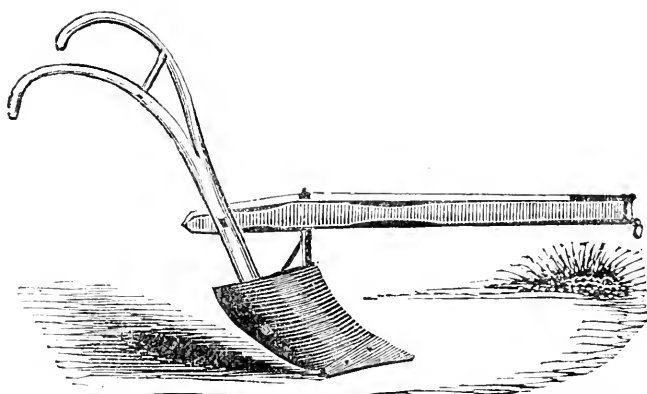
Single shovel.....	\$6 00
Double shovel.....	8 00
Routt's Pat. Iron Shovel Plow, with reversible shovel.	10 50

WOODS' OR FREEBORN PLOW.



This class of Plows is extensively used in the Southern States, on light sandy lands. They have been manufactured in a very rough and cheap manner, and sold at prices extremely low, but experience has taught farmers and planters, that those Plows properly constructed, and of good materials, even at an advanced price, are decidedly the cheapest in the end. These Plows are sold by the hundred, to merchants, at very low prices.

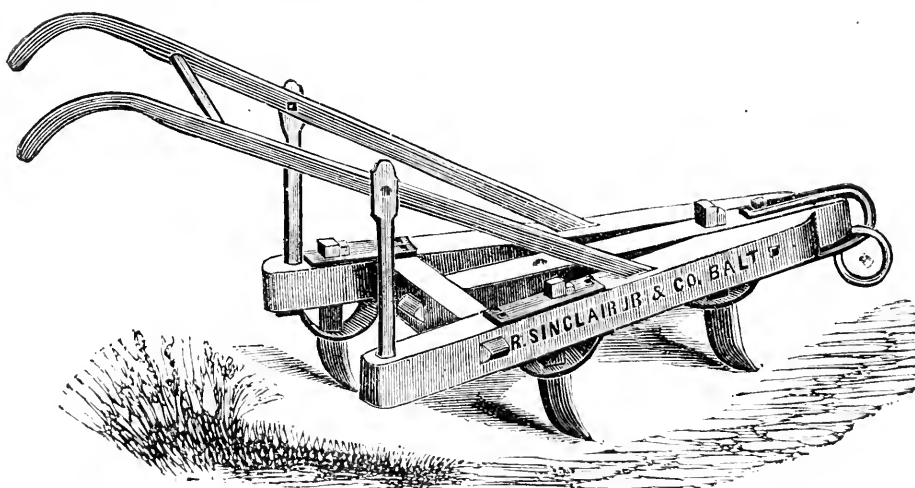
Number	10½.	11½.	12½.	Seed.	Corn.
Price.....	\$3.50.	\$4.00	\$5.00.	\$5.50.	\$5.00.



ELLIOTT PLOW.

This Plow is well known and much used on the Eastern and Western Shores of Virginia, and extensively so in North and South Carolina, and is highly spoken of. They are very light, being easily worked by a small pony or mule. We make them with wrought iron standards, to which the mould is attached; also with solid cast moulds, the latter being the cheapest.

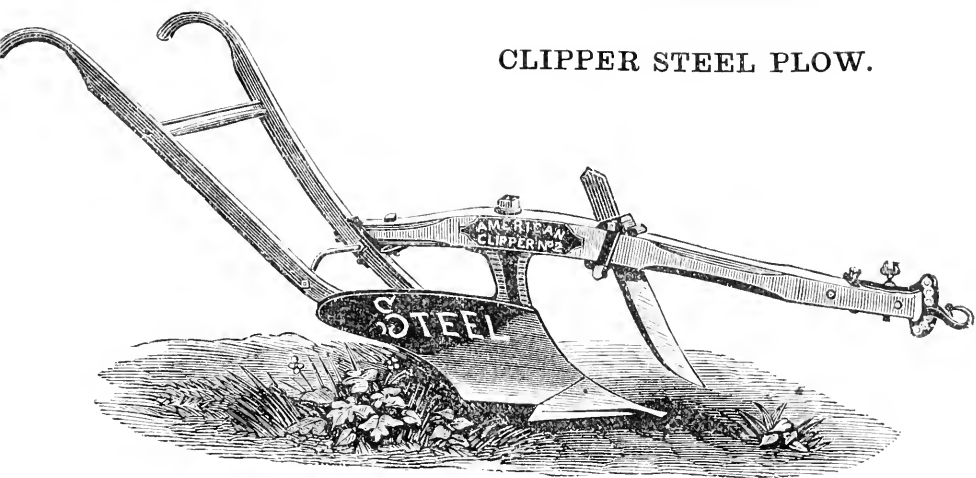
Number.....	6.	7.	7½.	50.	60.	with cast standard.
Price.....	\$3.50	3.75	3.75	3.50	3.75	
Number.....	7½.	7¾.	50.	60.	with wrought standard.	
Price.....	\$4.25	5.00	4.00	4.25		
A 6, price.	\$3.00			A 1, price.	\$4.50	



SINCLAIR & CO.'S GRUBBING PLOW.

This Plow is valuable for clearing new land preparatory to using the ordinary plow. Also useful for reclaiming "Hide-bound" grass lands. The power of four mules or oxen is required to work it.

Price, with three cutters.....	\$25 00
" " two " 	20 00

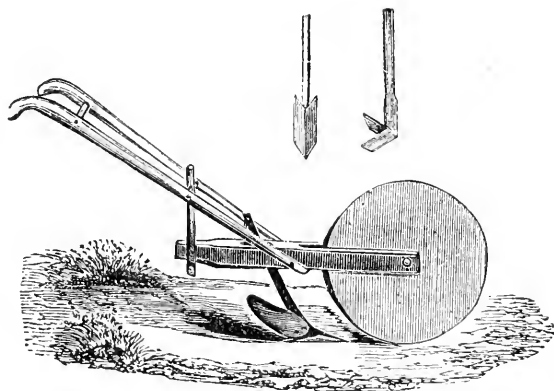


CLIPPER STEEL PLOW.

STEEL PLOWS.

The cut above represents the Clipper Plow, made from rolled cast steel, highly tempered, and equal, if not superior, to the Plow now in use called the Cast Cast-Steel Plow. The steel of the Clipper has this advantage over the Cast Cast-Steel, that any good blacksmith can repair it when necessary.

We can supply any size of the above, or any other Steel Plow made in the country, at the manufacturer's prices.



HAND GARDEN PLOW.

For cultivating vegetables, weeding, making drills, &c., this implement, with a man to push it, will do as much work as six men with hoes, leave the ground in fine order, and cultivates thoroughly.

Price.....\$5 00
 " with extra irons..... 7 00

Page's Hand Push Plow with Wheel.



The above-named Plow is considered one of the best Hand Plows in use. It is very simple, strong and durable, and can be worked by a good-sized boy, doing the same amount of work in cultivating vegetables, etc., as can be done by the labor of two men in a day.

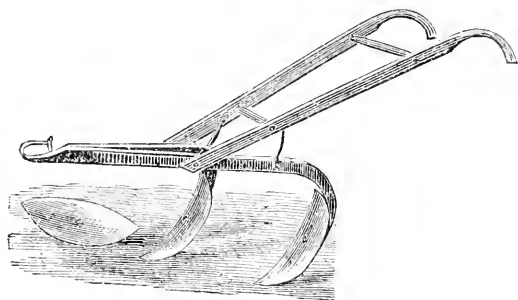
Price.....\$5.00.

OTHER PLOWS NOT ILLUSTRATED.

We have in our large assortment of Plows all kinds of patterns which are known in this section of the country, and we think it unnecessary to illustrate by cuts. We name some of them for the benefit of our customers, viz :

Prouty & Mears' Self-Sharpening Plows, Borum, Forest, and Marsh Plows, Old Davis Plows, Steel Sod Skim Plow, Steel Mould-Board Plows of several kinds and sizes, Kentucky and North Carolina patterns of Plows, Cotton Plows, three different kinds, and many other varieties, which we can furnish at short notice.

IRON BEAM DOUBLE SHOVEL CORN PLOW.



The Best Implement ever Invented for the Cultivation of Corn.

Being constructed of wrought iron it is more durable than the wood Plow, to the extent of at least two, and we think three, to one; it has no rod or colter; will not clog or choke in foul or weedy ground; is light of draught and easily managed, only weighing thirty-eight to forty pounds; leaves the ground in better condition, free from washing; destroys the weeds and grass effectually and pulverizes the ground completely, causing it to hold its moisture in dry seasons. This implement is adapted to all kinds of ground, and works equally well on hill-side or plain; is the same easy, light and steady running Plow in sand, loam and clay, and may be used with perfect ease by a 12-year old boy.

It is equally good for seeding small grain, such as wheat, rye and oats, the shovels being properly in advance of each other, filling each furrow, completely covering all the grain. This Plow, in addition to being a superior DOUBLE SHOVEL PLOW, will be supplied with a small Bull Tongue and Mouldboard Shovel to all customers who desire one or both of these extra shovels. The Bull Tongue is for cultivating when the plant is small, stirring deep and throwing but little dirt. The Mouldboard Shovel is used for hilling corn, last plowing potatoes, &c. By the use of these extra shovels, our Plow does the work of the Cultivator, Double Shovel and small Hilling or Turning Plow, completely cultivating the plant at all ages or growth. These shovels are all fitted to the same stock and are easily removed. The shovels are all of best GERMAN STEEL. This Plow is provided with a shield or clod-fender if customers order them, as the Bull Tongue, Mouldboard and Clod-fender are extra. The clod-fender is for shielding the corn or plants when small, preventing it from being covered or damaged by clods or dirt, and saves the labor of one hand when the plant is small. We could furnish the certificates of thousands of leading farmers and dealers as to the superiority of this Plow, but prefer it should stand on its own merits.

PRICES.

Plow.....	\$7.50 with shovels only.
Extra Shovels.....	1.25 each.
Bull Tongue.....	1.25 "

To prevent confusion we would add that most of the plows we sell are with the shovels only.

FOREST PLOWS.

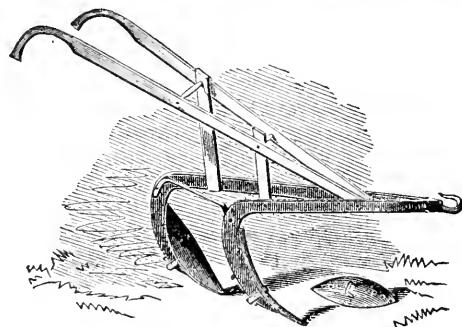
Number..	1	2
Price.....	\$4.55	\$5.00

BORUM OR MARCH PLOWS.

Nos.....	1.	2.	2½.	4.	X.	Z.
Price.....	\$4.00	\$4.25	\$4.50	\$6.00	\$6.00	\$7.50

We will have ready in a few weeks several sizes of a new plow, invented by Messrs. March & Co., of Norfolk, Va., which is considered one of the best plows for the Southern country now made. It has a high standard to the turning mould, thereby preventing the plow from being choked by tall weeds, grass, &c. We will have on hand all the different sizes, from a light one-horse to a heavy two-horse, and all the intermediate sizes. These Plows are so constructed that the mould can be taken, at pleasure, from the standard and a larger or smaller mould substituted instead. For particulars send for description, cut of and prices of the different sizes.

ROUTT'S IMPROVED DOUBLE-SHOVEL PLOW.



This Plow is very popular in the stiff lands of the Valley of Virginia, and is coming into use in Maryland and Delaware. The frame is made of wrought iron, and has reversible Steel Shovels.

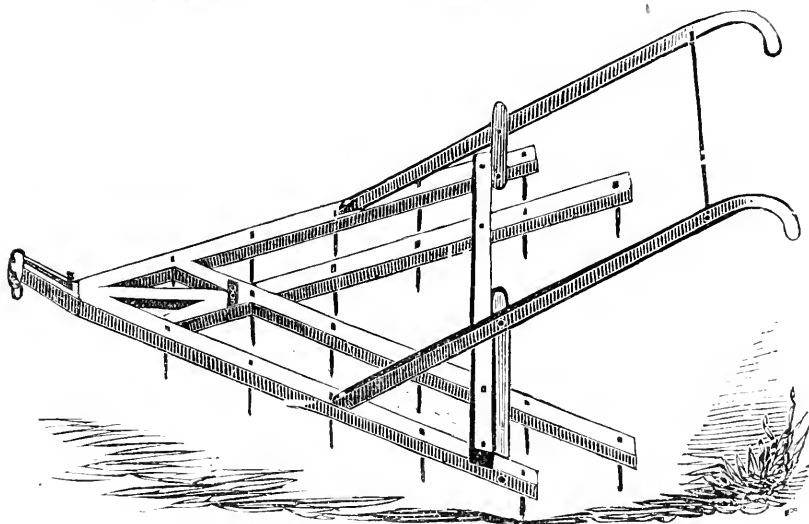
Price \$12.00

HAND-PULL PLOW.

We also manufacture the Hand-Pull Plow, which is used for the same purpose as the Wheel Plow and comes much cheaper.

Price.....\$2 00

SINCLAIR & CO'S DOUBLEYOU HARROW.

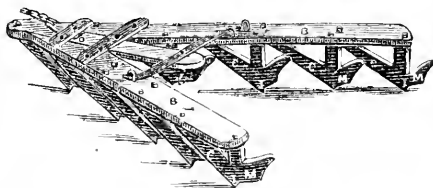


The Doubleyou Harrow is very efficient on strong, stiff soils. It is one of our best Harrows. The plan is simple, and well adapted to cultivation, as well as follow the plow, for reducing the land to a proper fineness to receive crops. We can make this Harrow any size needed. Below we give sizes, with prices, of those constantly kept on hand.

Number 1	—19 teeth..... $\frac{3}{4}$	iron.....	Price, \$15 00
"	1 $\frac{1}{2}$ —19 teeth..... $\frac{7}{8}$	iron.....	" 17 00
"	2—23 teeth..... $\frac{3}{4}$	iron.....	" 19 00
"	3—23 teeth..... $\frac{7}{8}$	iron.....	" 20 00
"	4—27 teeth.....1 inch, or over.....	"	25 00

SHARE'S COULTER HARROW.

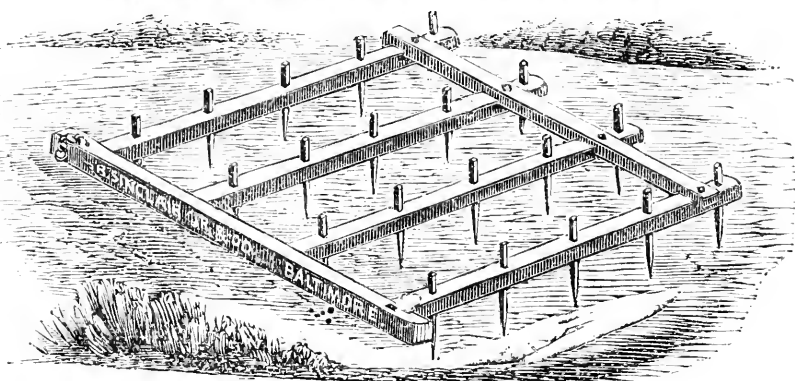
This Harrow is constructed with cast iron coulters, which are broad and thin, inclining forward so as to prevent their clogging with roots, grass, stones, &c., as well as to cut the sods and force



an easy entrance into any kind of soil. The mould board, which forms the lower part of the coulter, the lower edge of which is continued a short distance below the covering portion of the tooth, forms the point. This serves to elevate the teeth over stumps, stones, and other impediments, and also gives them durability. This Harrow is much used in covering broadcast grain sown on sod land, for which it excels all other Harrows.

Price.....\$20 00

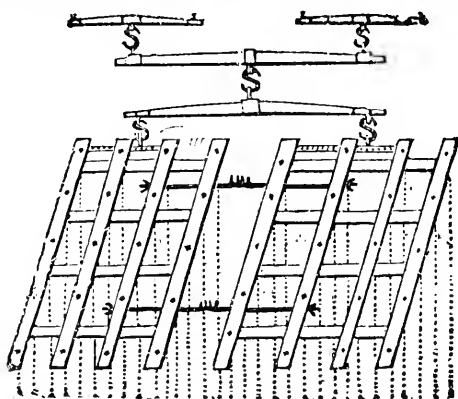
SQUARE DRAG HARROW.



The cut shows the construction of this Harrow. It is very simple, strong, and efficient in all kinds of soils. There are, perhaps, more of this pattern of Harrow in use than any other, being much admired both by farmers and gardeners.

Number 1—20 teeth.....	$\frac{5}{8}$ iron.....	Price, \$10 00
“ 2—20 teeth.....	$\frac{3}{4}$ iron.....	“ 12 00
“ 3—20 teeth.....	$\frac{7}{8}$ iron.....	“ 14 00
“ 4—30 teeth.....	$\frac{7}{8}$ iron.....	“ 20 00

SCOTCH HINGE HARROW.



The above cut represents a Harrow that is much admired, not only in this country but in Europe. In England it is much used, and one or more of this pattern will be found on almost every farm.

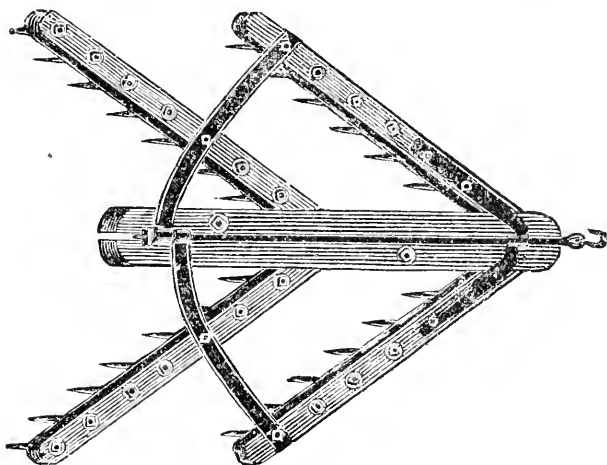
It is a Hinge Harrow, accommodating itself to the unevenness of the surface, and may be used either Single or Double. We

make several sizes. Below we give prices for those kept on hand :

Number 1	—30 teeth,	6 bars..... $\frac{3}{4}$	iron.....	Price, \$25.00
"	1 $\frac{1}{2}$ —30	" 6 bars..... $\frac{7}{8}$	iron.....	" 28.00
"	2—40	" 8 bars..... $\frac{3}{4}$	iron.....	" 32.00
"	3—40	" 8 bars..... $\frac{7}{8}$	iron.....	" 34.00
"	5—40	" 8 bars.....1	iron.....	" 36.00

These Harrows are made with mortised frames, with wrought iron brace rods, and are constructed in the very best manner. Any farmer needing a good, substantial Harrow for rough lands, we would advise him to buy the Scotch Hinge.

GEDDES' HINGE HARROW.

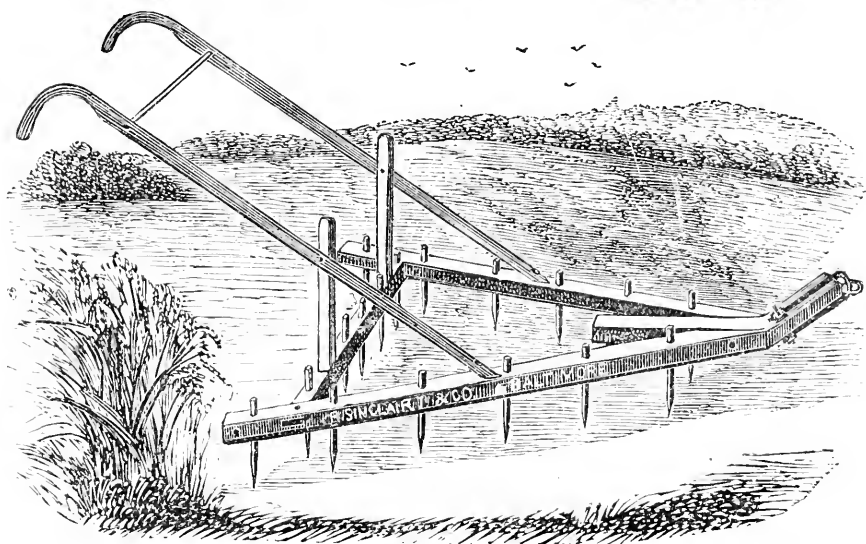


The Geddes' Harrow is made of two angular frames, connected by wrought iron hinges in the centre, so that it adapts itself to an uneven surface, and either side may be conveniently elevated to free it from stones, sods, &c., while the harrow is moving along, without disturbing the operation of the other half; and one part may be folded upon the other in passing stones, between stumps, fruit trees, &c.

The arrangement of the teeth in the frame is such that each one operates distinctly from the others, and the number of impressions made on the soil will be equal to the number of teeth, and at equal distances.

Number 1.	20 teeth,	$\frac{3}{4}$	iron, price.	\$16 00
"	1 $\frac{1}{2}$, 20	" $\frac{7}{8}$	" "	18.00
"	2, 24	" $\frac{3}{4}$	" "	19.00
"	2 $\frac{1}{2}$, 24	" $\frac{7}{8}$	" "	21.00
"	3, 28	" $\frac{3}{4}$	" "	24.00
"	3 $\frac{1}{2}$, 28	" $\frac{7}{8}$	" "	25.00

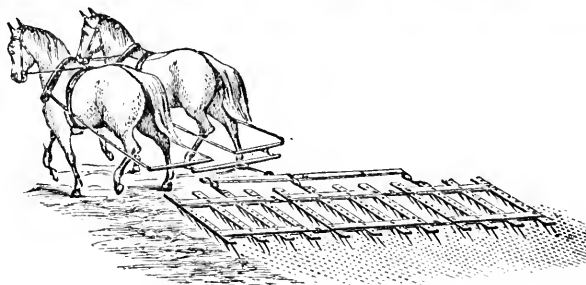
TRIANGULAR HARROW WITH HANDLES.



This Harrow, as the cut represents, is made with an angular frame with handles, which makes it as convenient to manage as a Plow. It is considered one of the most useful Harrows on the farm. It is used to prepare the land for crops, also for working young corn, &c. We make several sizes :

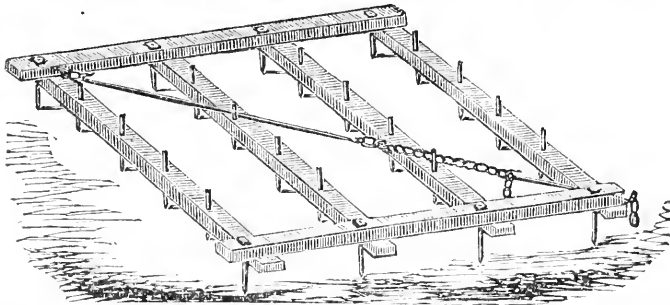
Number 1,	15 teeth,	$\frac{5}{8}$	iron ..	\$ 9 00
"	1, 17 "	$\frac{3}{4}$	" ..	10 00
"	1 $\frac{1}{2}$, 17 "	$\frac{3}{4}$	" ..	11 00
"	2, 19 "	$\frac{3}{4}$	" ..	12 00
"	2 $\frac{1}{2}$, 19 "	$\frac{7}{8}$	" ..	13 00
"	3, 21 "	$\frac{3}{4}$	" ..	14 00

THOMAS' SMOOTHING HARROW.



Plain Harrow, 3 sections,	-	-	-	-	Price \$27 00
Harrow with driver's seat,	-	-	-	-	" 32 00

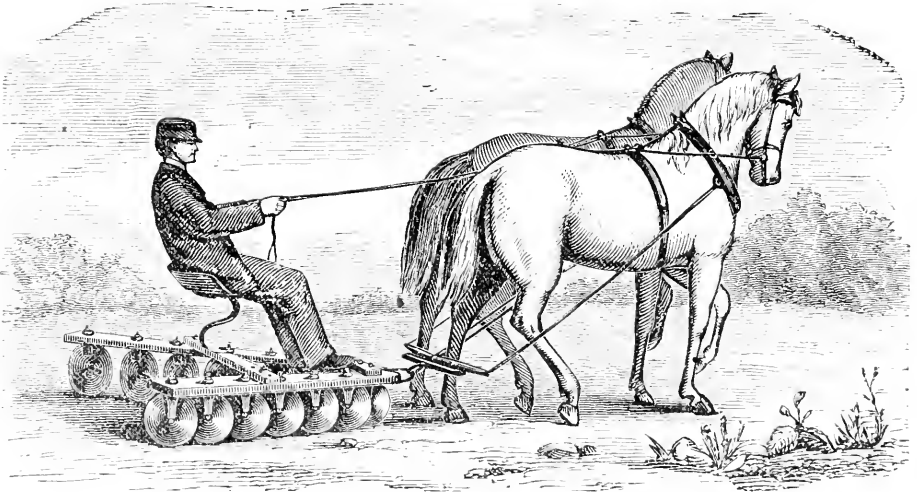
SINCLAIR & CO'S CHAIN HARROW.



The Chain Harrow is so constructed as to admit of being widened or narrowed to do coarser or finer work, as circumstances may require. The following are the sizes made :

Number 1,	20 teeth,	$\frac{3}{4}$ iron,	price	\$16 00
"	2, 20 "	$\frac{7}{8}$ "	"	18 00
"	3, 20 "	1 inch, "	"	20 00

NISHWITZ'S PULVERIZING HARROW.



Price.....\$32 00.

MARYLAND HINGE HARROW.

It is constructed with two wings, secured to a wooden centre by wrought hinges, which are formed to expand or contract as circumstances require.

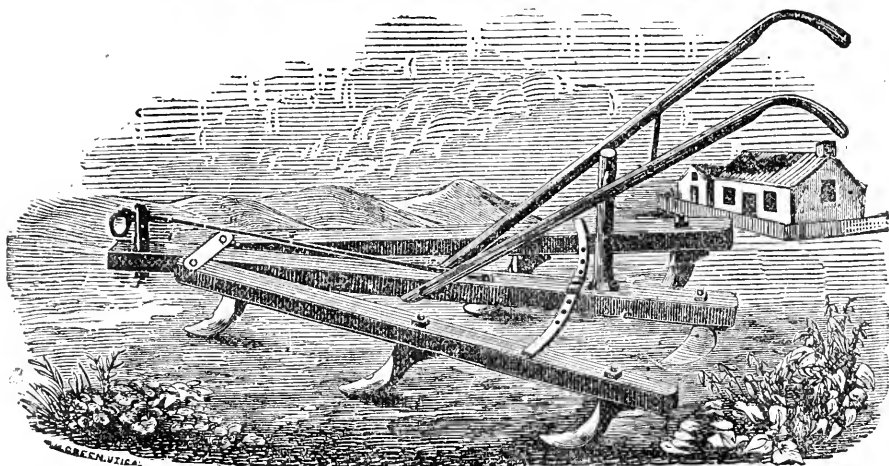
This is one of the most convenient harrows made, to work on ridged land, as the teeth can be set to harrow either on the top

of the ridge or in the furrow. For covering grain on all kinds of land they have no equal.

Number 0	—11 teeth..... $\frac{5}{8}$	iron.....	Price, \$11 00
"	1 —13 teeth..... $\frac{5}{8}$	iron.....	" 12 00
"	1 $\frac{1}{2}$ —13 teeth..... $\frac{3}{4}$	iron.....	" 14 00
"	2 —15 teeth..... $\frac{3}{4}$	iron.....	" 15 00
"	3 —17 teeth..... $\frac{3}{4}$	iron.....	" 16 00

The above Harrow is supplied with a small double mould, for the purpose of opening water farrows, when harrowing on wet land.

HARROW CULTIVATOR.



This cultivator is in very common use for seeding Wheat and working Corn. They are made both with solid steel hoes and with reversible steel plates and cast standards.

This cultivator is much used in Virginia and other Southern States. It is easily worked with two mules or two small horses.

7-Tine Cult., stationary,	price, \$12	11-Tine Cult., expand.,	price, \$18
" " expanding,	" 13	13-Tine " stationary,	" 20

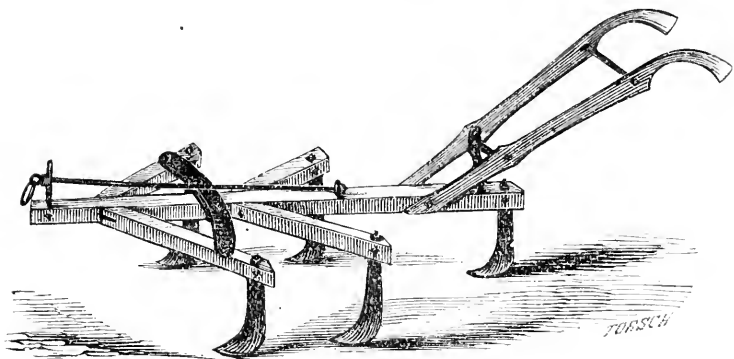
We will furnish the above either with solid steel hoes or reversible steel points, with cast iron shank.

HAND GARDEN CULTIVATOR.

This is a very useful implement in the garden for cultivating vegetables, and with it a man can do more in a day than three men can do with hoes. It should be in the hands of every gardener and practical farmer.

Price..... \$3 00

Improved Stationary and Expanding Cultivator.



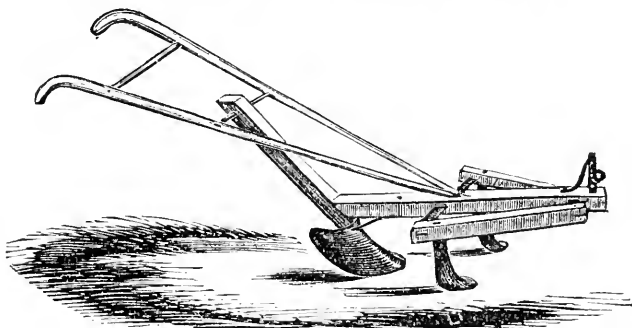
This Cultivator is made with either solid steel hoes or with cast shanks with reversible steel points.

It is made very strong, and is easily worked with one horse. The frame is made so that one-half is stationary, whilst the other half can be opened or shut to suit the distance between the rows of plants.

It is a tobacco as well as a corn cultivator, and is pronounced by our practical farmers and planters to be the best one-horse cultivator in use.

Price..... \$10 00.

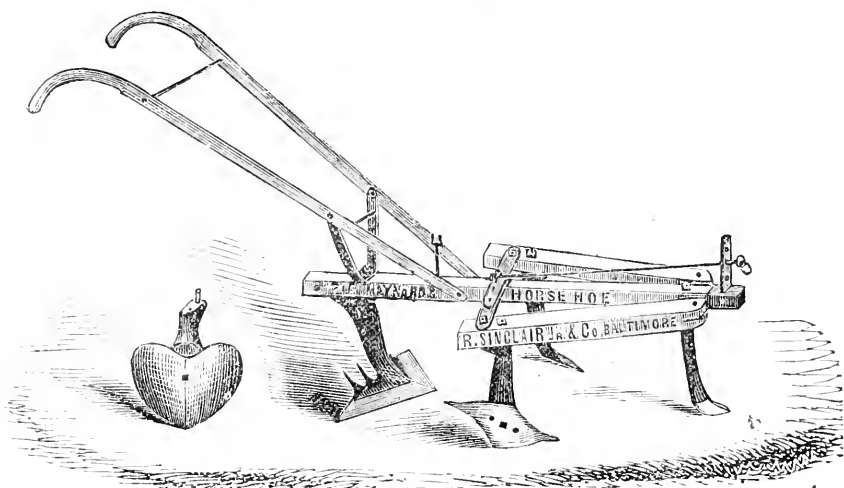
TOBACCO CULTIVATOR.



This Cultivator is designed for the cultivation of tobacco, and is much used in the lower counties of Maryland for that purpose. It is light for one horse or mule. The two front hoes can be run close to the rows, and the shovels will throw up two ridges of earth, which are not disturbed by the front hoes.

With expanding frame, price.....\$8 00
 " stationary " " 8 00

"MAYNARD'S" HORSE-HOE CULTIVATOR.



The Horse Hoe is designed for the hoeing or cultivation of corn, the various root crops, cotton, hops, young nurseries, and hoed crops generally. Is quite light, easily managed, and of easy draft for one horse or mule. A thorough pulverizer of the surface soil and exterminator of weeds and grass. The forward tooth is simply a coulter to keep the implement steady and in a straightforward direction; the two side or middle teeth are miniature plows, to turn the earth from the rows at first weeding, when the plants are small and tender, or towards them in latter cultivation, at the option of the operator. The broad rear tooth effectually disposes of grass and weeds, cutting off or rooting up all that comes in its way; is a thorough pulverizer of the surface, sifting the earth and weeds through its iron prongs or fingers in the rear, leaving the weeds on the surface to wilt and die, and the ground level and mellow.

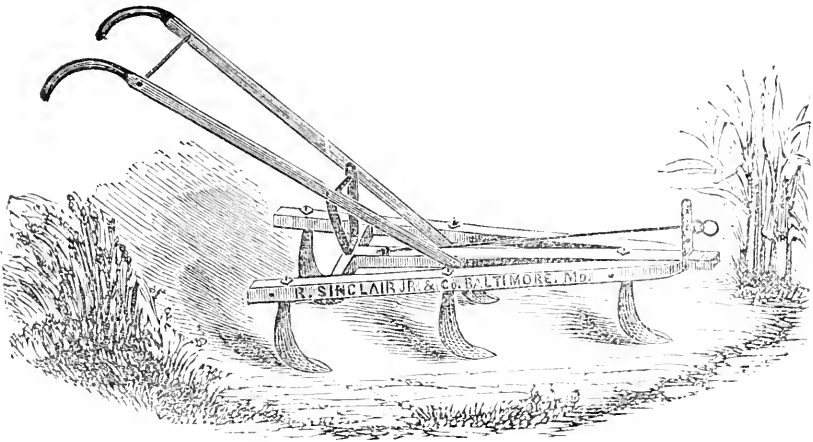
For hoeing carrots, turnips, &c., where the rows are narrow, the side teeth are taken out, and the rear tooth, with the forward one as a director to guide the instrument, hoes and mellows the ground between the rows perfectly.

Price.....\$12 00

CULTIVATORS WITH CAST IRON HOES.

Expanding Cultivator with cast iron Hoes.....	Price \$7 00
Stationary " " " " "	" 7 00

Solid Steel-Tine Cultivator.

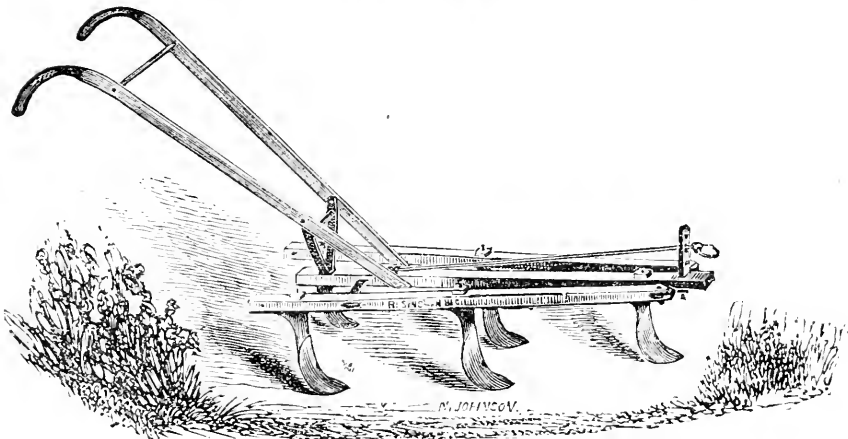


We make the above cultivators for one horse. The Hoes are solid steel, and the frames are made either to expand and contract, or stationary.

With expanding frame Cultivator, price.....\$8 50

With stationary frame Cultivator, price..... 8 50

Reversible Cast Steel Point Cultivator.

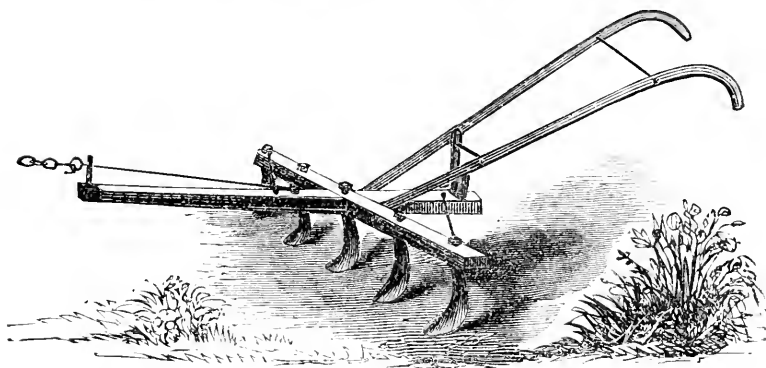


The above Cultivator is made with cast iron shanks with reversible cast steel points. The construction of the frame is the same as that for the solid Steel Hoe. It is easily worked with one mule or horse.

With expanding frame, price.....\$8 50

With stationary frame, price..... 8 50

GANG OR ECHELON CULTIVATOR.



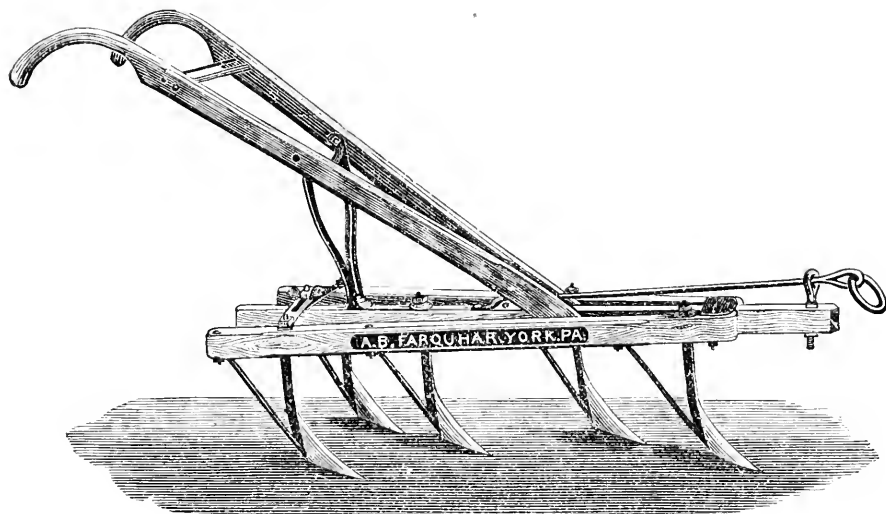
This Cultivator is made on the gang principle, having the Hoes to follow each other in regular succession.

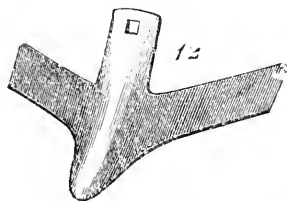
The Hoes are made of solid cast steel.

The Cultivator is light draft for one horse, and is much used by the cotton planters of North and South Carolina, also by corn growers in Maryland and Virginia.

Price..... \$8 00

EXCELSIOR CULTIVATOR.



DICKSON COTTON SWEEP.**POLISHED STEEL,***IS ONE OF THE BEST SWEEPS FOR COTTON CULTURE.*

It was introduced by the great cotton grower, Mr. Dickson, of Georgia, and it is now coming into general use.

It is a tolerable tool even when made of iron by the country smith; but when perfectly made and properly formed from hardened, tempered steel, it becomes very valuable.

I have fitted up machinery, at great expense, expressly for the manufacture of this sweep: and my large and increasing sales prove their superiority.

COTTON PLOWS AND SWEEPS.

16 inch Sweep, Stocked.....	Price	\$4 50	Sweeps alone.....	Price	\$2 25
18 " " "	"	5 00	" "	"	2 50
20 " " "	"	5 50	" "	"	2 75
22 " " "	"	6 25	" "	"	3 15
24 " " "	"	6 75	" "	"	3 50
26 " " "	"	7 25	" "	"	4 00
28 " " "	"	7 75	" "	"	4 50
30 " " "	"	8 00	" "	"	5 25
Palamountain Cotton Plow.	"	5 00			

PLOW HANDLES IN ROUGH.

Size	1½x2 inches, 3 feet 6 inches long.....	Price per pair 40 cents
"	1½x2 " 4 " "	43 "
"	1½x2 " 4 " 4 inches "	45 "
"	1½x2 " 4 " 6 " "	47 "
"	1½x2½ " 5 " "	49 "
"	1½x2¾ " 5 " "	51 "
"	1½x2½ " 5 " "	60 "
"	1½x2¾ " 5 " 6 inches "	65 "
"	1½x2¾ " 5 " "	70 "

Side Bend 10 cents per pair extra. Dressing same, ready for use, from 25 to 35 cents per pair extra.

ARTICLES NOT ILLUSTRATED BY CUTS.

Hackling Machines, for tearing up Husk, Crout Cutters, Straw Cutters, Horse Radish Graters, Hay Tedders, Ice Grinders, two sizes, Cotton Planters, Briar Hooks, Picks, Mattocks, Bramble Scythes, Axes, Grub Hoes, Corn Knives, Bill Hooks, Farm and Plantation Bells, Step Ladders, Grindstone Mountings, Forks, Shovels, Spades, Hoes for Garden and Field use, Agricultural and Horticultural Hardware generally.

BULLARD'S Patent Hay Tedder.



The above cut represents one of the most invaluable Machines that can be used on the farm, for spreading the hay after being cut by the Mower. One man and two horses can spread some twelve or fifteen acres per day, doing the work infinitely better than can be done by hand. Hay spread by this Machine will cure in one-third the time than by any other mode of spreading.

Price from \$100 to \$110.

We have also on hand the "American" Hay Tedder and other patterns, at prices ranging from \$75 to \$90.

R. SINCLAIR & CO.

GROWERS AND IMPORTERS OF

Garden and Field Seeds, Trees and Plants.

TABLE

SHOWING THE TIME OF SOWING FIELD SEEDS, AND QUANTITY
REQUIRED FOR AN ACRE.*Time Seeds may be sown, marked thus [a]. Best time of Sowing, thus [o].*

NAME OF SEEDS.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	Estimate of Seed usually sown on an acre of ground.
Clover, White.....	a	o	a					a	a				6 qts. }
Red.....	a	o	a					a	a				8 qts. } Dry Measure.
Timothy.....			o	a				a	o				8 qts. }
Orchard Grass.....			o	a				a	o	a			2½ bushels.
Herds Grass.....			o	a				a	o				¾ bushel.
Ky. Blue Grass....			a	a				a	o	a			1½ bushels.
Mixed Lawn Grass.			o	a				a	o	a			3 bushels.
Oat Grass			o	a				a	o	a			2½ bushels.
Vetches			a	o				a	o				4 bushels.
Millet.....				a	a	a	a	a	o				*¼ to ¾ bushel.
St. Foin.....													4 to 5 bushels.
Tobacco.....			o	a									3 oz.
Rye			o	a				a	o	a			5 pecks.
Wheat								a	o	a			1½ to 2 bushels.
Corn				o	a								4 to 6 quarts.
Broadcast....				a	a			a					4 to 5 bushels.
Broom.....				o	a								½ bushel.
Buckwheat.....							a	a					¾ bushel.
Lucerne				o	a			o	a				30 lbs. Broadcast.
Barley.....			a	a									2 bushels.
Ray Grass.....			o	a						o	a		1½ bushels.
Oats			o	a	a								2½ to 3 bushels.
Rape			a	a				o	a				¾ lb.
White Beans			a	o									1½ bushels.
Field Peas.....			o	a									2 to 3 bushels.
Mangold Wurzel...				o	a								4 lbs.
Sugar Beets.....				o	a	a							4 lbs.
Carrot.....				o	a	a							2½ lbs.
Ruta Baga.....						a	o	a					¾ lb.
Turnip, White....								o	a	a			¾ lb.
Potatoes			a	o	a								10 to 15 bushels.

* Quarter bushel is for Drill culture.

Grass Seeds sown on lands south of Baltimore (especially on sandy land) should be seeded in the Fall.

TABLE

SHOWING THE TIME OF PLANTING GARDEN SEEDS, AND QUANTITY REQUIRED FOR A FIRST-CLASS FAMILY GARDEN.

Time Seeds may be sown, marked thus [o]. Best time of sowing, thus [a].

NAME OF SEEDS.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	Estimate of Seed, calculated to crop an ordinary sized Garden.
Asparagus.....			o	o									2 oz.
Artichoke.....			o	o									2 oz.
Beans, Windsor....		a	a	o									2 qts.
Bush.....				o	a			a					4 qts. assorted.
Lima, &c....				o	a								1 quart.
Beet.....			o	a	o	o	o						4 oz.
Borecole.....				o	a								$\frac{1}{2}$ oz.
Brocoli.....		o		o	a								$\frac{1}{2}$ oz.
Collards.....								a	o				1 oz.
Cabbage, Early....		o	o					o	o				2 oz.
Late.....		o	o		a			o	o				4 oz.
Cauliflower.....					o			o	o				$\frac{1}{2}$ oz.
Celery.....			a										1 oz.
Carrot.....				a	o								1 oz.
Corn Salad.....				o				o	a				$\frac{1}{2}$ oz.
Cress.....				o	a	o	o	o	o				4 oz.
Cucumber, Early...		o	o		a		a	o					1 oz.
Late.....		o		o	a		a						2 oz.
Endive.....				a			a	a					$\frac{1}{2}$ oz.
Corn, Early.....				o	a	o							2 doz. ears.
Kale, Siberian.....			o					a	o				4 oz.
Sea.....				o	a								$\frac{1}{2}$ oz.
Leek.....				o									1 oz.
Lettuce.....		o	a	a				o	a				2 oz. assorted.
Melons.....				a	a								8 oz. assorted.
Nasturtium.....			o	o	o								1 oz.
Onion.....			o	o				o	o				4 oz.
Okra.....				a	a								2 oz.
Parsnip.....			a	a	o								2 oz.
Parsley.....			o	o				o					1 oz.
Peas, Early.....		a	a	o	o								6 quarts assorted.
Late.....			a	a	o								6 quarts assorted.
Pepper.....			a	o									$\frac{1}{2}$ oz.
Radish, Early....			a	a				o	o				8 oz. assorted.
Late.....				a	o								4 oz.
Spinach.....			o	o				a	o				3 oz.
Squash.....				o	o								2 oz.
Salsify.....				o	o								1 oz.
Turnip.....				o	o	o	a	a	o				4 oz.
Tomato.....			a	a	o								$\frac{1}{2}$ oz.
Herb Seed.....		o	o	o	o			o					8 papers assorted.
Flower Seed.....		o	o	o	o			o					30 papers assorted.

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EVERY STOVE GUARANTEED TO
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